

Council Weighs New Mayoral Vote Rules

By Dana Levine
EDITOR IN CHIEF

The Cambridge City Council has proposed amendments to its rules that could shorten the mayoral election process significantly.

The amendment, which was tabled until the next meeting, was proposed by councillors Jim Braude, Henrietta Davis, Michael A. Sullivan, Timothy J. Toomey, Jr., and Vice Mayor David P. Maher. The amendment would mandate that the Council elect a mayor on the sixth ballot if they have not reached a consensus in the first five votes.

On this sixth ballot, the council must elect by majority either the "member of the City Council senior in length of service" or the "member of the City Council senior in length of service who has not yet served as mayor."

Past struggles lead to amendment

Current election rules, which dictate that the mayor be chosen from among the councillors by a majority vote, have led to several difficult and protracted election battles. The current council did not

choose Anthony Galluccio as mayor until February 15, 2000, nearly a month after it took office.

However, Councillor Kenneth E. Reeves said that recent elections have been significantly less contentious than ones in the past. "The mayoral elections prior to the last five have been much more controversial," Reeves said. "Of the last five mayors, two were selected on election day," he said.

Despite this, Reeves said that he was once required to serve as temporary mayor for six weeks while the council chose a permanent mayor.

Citizens voice concerns

Cambridge resident and former council candidate Robert Winters said he was bothered by the requirement that councillors choose a mayor on the sixth ballot. "You cannot oblige any councillor to vote a certain way," he said.

Winters said that he hopes the incoming council can come to a decision on a new mayor by them-

Cambridge, Page 19



Undergraduate Association President Jaime E. Devereaux '02 listens as Chancellor Phillip L. Clay PhD '75 discusses MIT student community at Monday night's UA meeting.

Clay Speaks About Community

By Sandra Chung
ASSOCIATE ARTS EDITOR

MIT Chancellor Phillip L. Clay PhD '75 spoke to the Undergraduate Association Council about the Institute's ongoing efforts to nurture a sense of community both on and off campus.

In last night's speech, Clay

stressed the importance of communication and experimentation in developing a community that is "not only more caring, but more empowered."

"We have a bit of catching up to do in making sure that we offer as broad an undergraduate experience as possible," Clay said. He added that the world expects a lot more of college graduates than good grades. Such skills as "insight, communication, ... and personal effectiveness" are fostered by community interactions of the sort that are lacking at MIT.

Clay's definition of community is a concept that "is not limited to students, but encompasses alumni ... not limited to education, but encom-

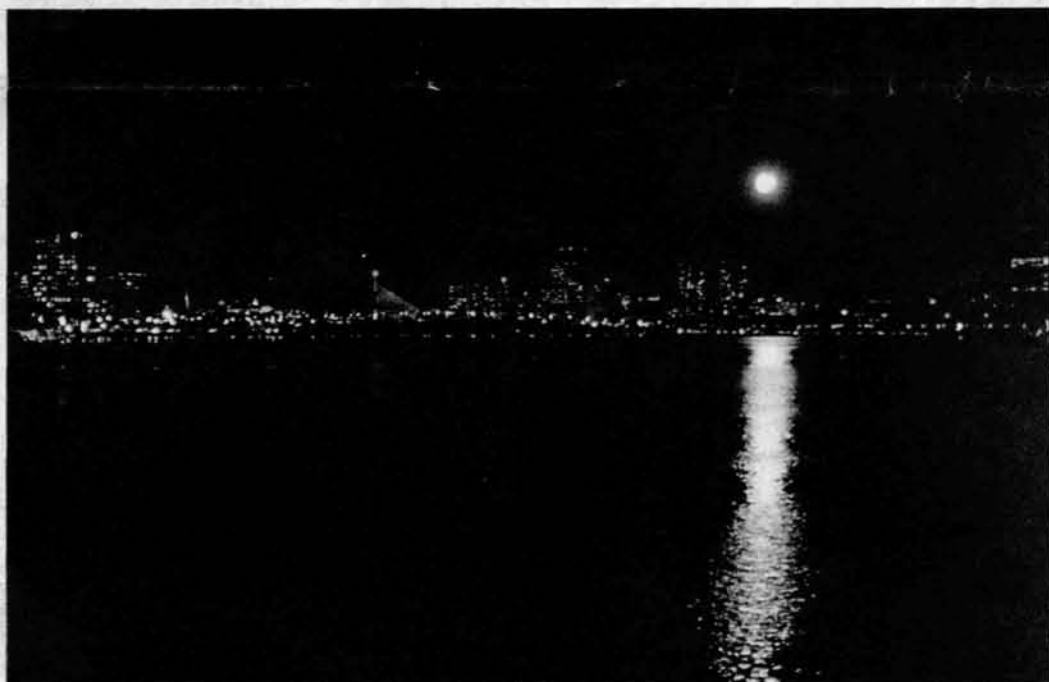
passes the whole experience. Community is about ... having a voice."

Clay tries to define community

Clay said that the term "community" is a broad idea, and emphasized the importance of openness to other definitions of community built around what is unique, valuable, and to be missed about the MIT experience.

Clay presented three alternate views of MIT community. "Some people would describe the MIT experience as a boot camp, and would say this is a community of survivors ... another view is that

Clay, Page 7



A full moon shimmers over the Charles river, nearly overpowering the Boston city lights.

UA Supports Reading Room Proposal

Resolution Backs ASA Investigation Into Moving MITSFS Library

By Vincent Chen
STAFF REPORTER

The Undergraduate Association has voted to cooperate with the Association of Student Activities as the ASA investigates plans to incorporate the MIT Science Fiction Society library into the Student Center Reading Room.

A resolution passed by the UA last night stated that "the UA supports the ASA in continuing to investigate plans to incorporate the MITSFS Library and the Student

Center Reading Room" and that "a representative of the UA be a member of the working group that will help in this process."

The ASA presented a proposal at the UA meeting two weeks ago to move the MITSFS library to occupy a portion of the reading room. This would allow the Campus Activities Complex to renovate the current library to house eight to twelve student groups.

The proposal was motivated by a desire to provide more space for the

Science Fiction Society's library and for other student groups. The plan involves taking advantage of what the ASA considers underutilized reading room space.

MITSFS lacks adequate space

MITSFS is currently seeking additional space, since a large portion of their collection is stored in boxes due to a shortage of shelf space. This limits availability and

MITSFS, Page 7

CSC to Revise Constitution To Comply with MIT Policy

By Kevin R. Lang
NEWS EDITOR

The Chinese Students Club will work with the Association of Student Activities to revise their constitution so that it agrees with MIT's non-discrimination policy.

After receiving a complaint regarding a CSC constitutional provision requiring the club's president, vice president, and cultural director to be of "Chinese origin," the ASA wrote to the CSC executive committee regarding a change to the constitution.

CSC President Jimmy C. Chang '02 said that the ASA acknowledged the complaint, but did not seem overly concerned with the amendment itself. "Apparently, they just want something to be changed," Chang said. "Honestly, we'd be more than happy to work with the ASA at this time."

Chang said that the CSC had an executive committee meeting on Sunday to discuss the matter. "We were kind of shocked," he said.

CSC leaders hope that their constitution can simply be clarified to comply with MIT policy. "We're not here to discriminate,"

Chang said. "We're here to spread our culture."

Other clubs have similar policies

The CSC is not the only ASA-recognized student group with a cultural requirement in its constitution. Club Argentino's constitution states that "Only Argentine MIT students shall be eligible to serve as president, treasurer and secretary of the Club Argentino." The MIT Malaysian Students Association requires the president to be a citizen or permanent resident of Malaysia. Both of these groups have ASA-approved constitutions, and Club Argentino specifically acknowledges adherence to MIT's non-discrimination policy.

Other clubs do not specifically refer to officers as the CSC does, but rather make distinctions between different groups of members. The Portuguese Students Association requires "active members" to be of Portuguese origin. However, the club also has "associate members" who are not eligible for active membership or voting rights, but are recommended for

CSC, Page 16



Coyote's Dinner opens at MIT.

Page 10



Comics

Page 11

OPINION

Kris Schnee discusses several options for U.S. policy on cloning research.

Page 5

World & Nation 2
Opinion 4
Arts 8
Events Calendar 13

WORLD & NATION

U.S. Fears That bin Laden Has Nuclear Technology

THE WASHINGTON POST

WASHINGTON

U.S. intelligence agencies have recently concluded that Osama bin Laden and his al-Qaida terrorist network may have made greater strides than previously thought toward obtaining plans or materials to make a crude radiological weapon that would use conventional explosives to spread radioactivity over a wide area, according to U.S. and foreign sources.

Some of the conclusions come from interrogations of captured al-Qaida members or associates. Some come from evidence gathered in the past month on the ground in Afghanistan by CIA officers and U.S. Special Forces from former al-Qaida facilities.

In addition, recent U.S. intelligence reports describe a meeting within the last year in which bin Laden was present when one of his associates produced a canister that allegedly contained radioactive material. The associate waved the canister in the air as proof of al-Qaida's progress and seriousness in trying to build a nuclear device.

Americans Are Again Warned Of 'Credible' Terrorist Threat

LOS ANGELES TIMES

WASHINGTON

President Bush's chief of homeland security, citing "credible" but unspecified threats Monday, asked Americans for the third time since Sept. 11 to be on alert for possible acts of terrorism.

Monday's warning was based on the possibility of attacks timed to coincide with the upcoming end of the Muslim holy month of Ramadan as well as the celebration of Jewish and Christian holidays.

U.S. intelligence officials said there were indications that the threats were linked to al-Qaida, Osama bin Laden's terrorist network, but that no specific target, time or place had been identified. The Bush administration has blamed al-Qaida for the terrorist attacks against the World Trade Center and Pentagon, and has said its terrorist operatives have been planning counterattacks in response to the U.S. military campaign in Afghanistan.

There was "no indication of type of attack," said one intelligence official, adding that the "quantity of credible threat info was above the norm" and coming from "a variety of sources."

Plea Deal Reached With Teen Suspect in Professors' Slayings

LOS ANGELES TIMES

BOSTON

The mystery surrounding the slayings last January of two Dartmouth College professors inched closer to solution Monday as New Hampshire authorities announced they have cut a deal with the younger of two suspects.

In a statement issued Monday, Attorney General Philip T. McLaughlin said James Parker, 17, will plead guilty to an adult charge of being an accomplice to second-degree murder in the death of 55-year-old Susanne Zantop.

First-degree murder charges are expected to be dropped. Parker likely will not be charged in the death of Half Zantop, 62.

"Jimmy has made the decision to accept responsibility for his actions, and is hopeful that his plea will enable his family and that of the Zantops to begin the healing process," defense attorney Cathy Green said Monday.

The move provides a long-awaited opening for Parker to testify against his best friend, 18-year-old Robert Tulloch. Prosecutors hope Parker will offer a motive for the savage killings in the bucolic village of Etna, N.H., just miles from the Dartmouth campus in Hanover.

Bush Administration Backs Israel's Self-Defense Tactics

By Norman Kempster

LOS ANGELES TIMES

WASHINGTON

After months of urging Israel to act with "restraint," the Bush administration abandoned that word Monday and endorsed Israel's right to defend itself in any way it sees fit.

"The president's point of view is that Israel is a sovereign government," White House spokesman Ari Fleischer said. "Israel has the right to defend herself."

Fleischer and U.S. State Department spokesman Philip T. Reeker insisted that despite the latest surge in violence, the administration had not abandoned hope for a negotiated Israeli-Palestinian peace agreement. But their comments marked a sharp change in direction from earlier U.S. focus on efforts to mediate a cease-fire that would be acceptable to both sides.

Middle East experts said the administration's stance, unless it is modified soon, would damage Washington D.C.'s effort to keep Arab nations in its coalition against Osama bin Laden's al Qaida terrorist network.

Reeker refused to even acknowledge the word "restraint." "What

we're saying is, we understand Israel is responsible for their security, and that they need to take the decisions regarding self-defense."

At the same time, Fleischer and Reeker, who read their answers from the same carefully prepared script, insisted that the administration had not given Sharon a "green light" to destroy Yasser Arafat's Palestinian Authority.

But Sharon left little doubt that he believes he obtained Washington's support for an escalation of military action, not just against terrorist organizations such as Hamas and Islamic Jihad, but also against key facilities of Arafat's authority.

Bush administration officials insist that Arafat remains a potential partner for peace talks with Israel. But they made it clear they are fed up with his repeated failures to crack down on anti-Israel terrorism.

Reeker said said Arafat not only must arrest the perpetrators of the weekend terrorist attacks in Israel but completely destroy the Hamas and Islamic Jihad organizations. That goes beyond anything Washington, D.C. has demanded in the past and sets the bar higher than the Palestinian leader can reach.

"Everybody is fed up with

Arafat," said Edward S. Walker, former head of the U.S. State Department's Middle East Bureau.

But Walker, now president of the Middle East Institute, added: "I certainly hope the Israelis keep in mind who the enemy is. I don't think the focus at this point should be on Arafat or the Palestinian Authority. The focus should be on the two terrorist organizations."

If Sharon does go after Arafat, it was not clear what the administration would do about it. Most officials insisted that the next step is up to Arafat. If he does not take dramatic action against Hamas and Islamic Jihad Washington might be ready to leave him to his fate.

"This is a time for Chairman Arafat ... to do everything in his power to find those who murdered innocent Israelis and bring them to justice," Fleischer said. "Only time will tell if Chairman Arafat honors that call."

Some Middle East experts said that Sharon's military crackdown on the Palestinians soon could damage larger U.S. interests by driving a wedge between the administration and the Arab governments that are a vital part of the U.S. counter-terrorism strategy.

Palestinians Confident Arafat Will Not Meet Israeli Demands

By Mary Curtius

LOS ANGELES TIMES

RAMALLAH, WEST BANK

To the outside world, Palestinian Authority President Yasser Arafat's choice hardly could seem more stark: He either hunts down Islamic militants or risks destruction of his regime by Israel.

But in this West Bank commercial and governmental center, hours before Israeli helicopter gunships destroyed Arafat's personal helicopters in the Gaza Strip, the Palestinian leader's dilemma seemed not nearly so black and white.

Even as they braced for a wide-ranging Israeli military retaliation, Ramallah residents expressed faith that Arafat will resist the Jewish state's demands and withstand

whatever it throws at him.

"He is Arafat," said Elen, a shoe-store owner who declined to give her last name. "He is a survivor." No one seemed to believe that the symbol of Palestinian nationalism had reached a moment of truth that would force him to take decisive action or radically alter his policies.

Arafat would run the risk of civil war if he carried out the all-out assault on Islamic militants that Israel and the Bush administration are demanding, Palestinians said. That pressure followed Palestinian suicide bombings and gunfire over the weekend that left more than two dozen Israelis dead and more than 200 wounded.

When Arafat cracked down on Islamic militants in 1996, their pop-

ularity was at a nadir because negotiations with Israel seemed to be progressing toward creation of a Palestinian state.

Today, the peace process is dead and the popularity of Islamic militant organizations rivals Arafat's own. Hamas, the largest Palestinian Islamic militant group, has formed an armed alliance with elements of Arafat's own Fatah movement.

"I don't think Arafat has reached the point where he has made the decision: I will do what has to be done," said Khalil Shikaki, a Palestinian pollster and political analyst.

Instead, Shikaki and others said, Arafat is more likely to take limited steps aimed at temporarily reining in militants as he hunkers down to absorb the Israeli army's strikes.

WEATHER

Feeling HOT, HOT, HOT!

By Efen Gutierrez

STAFF METEOROLOGIST

If you liked this weekend's weather, you will also enjoy the end of this week. The anomaly that cause this warm weather is a high pressure zone that was situated over southern New England. High pressure causes warm air to sink to the surface. A cold front went through the area on Sunday, bringing with it normal weather, but another high is also building in the area. However, we may have a chance of light showers tonight when the tail end of the cold front will pass to our north. After the front passes, the high will take hold and temperatures will again rise to the mid-60s F on Wednesday. But do not get too comfortable with this ridge, because a slow moving cold front will move through the area late Thursday night.

Extended Forecast

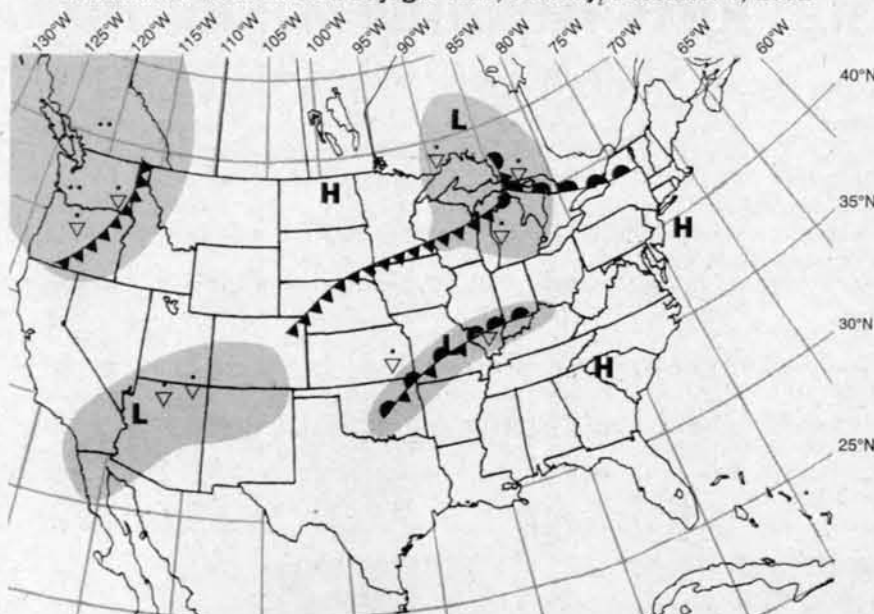
Today: Partly Cloudy. High 55°F (13°C)

Tonight: Mostly Cloudy, with a possibility of showers. Low 41°F (5°C).

Wednesday: Partly cloudy. Very warm. High in the mid-60s F.

Thursday: Partly cloudy, turning more cloudy through the night. High in the mid-60s F.

Situation for Noon Eastern Daylight Time, Tuesday, December 4, 2001



Weather Systems	Weather Fronts	Precipitation Symbols	Other Symbols
H High Pressure	- - - Trough	Snow *	Fog
L Low Pressure	— Warm Front	Light *	Thunderstorm
S Hurricane	▲ Cold Front	Moderate **	Haze
	▲ Stationary Front	Heavy ***	

Compiled by MIT
Meteorology Staff
and The Tech

American Teen Joined Taliban While Studying Islamic Religion

By Rene Sanchez
THE WASHINGTON POST

LOS ANGELES

Four years ago, a studious California teen-ager named John Philip Walker Lindh startled his middle-class Catholic parents by announcing that he was converting to Islam. A few days ago, after a long and still mysterious journey abroad to study the religion, he turned up on an Afghanistan battlefield as a bloodied Taliban fighter who called himself Abdul Hamid.

A gunshot wound to his leg, the 20-year-old told U.S. military officers and journalists that he had fought alongside the Taliban for months, until he and other fighters surrendered to Northern Alliance forces last week.

And he might not be the only American to have joined the Taliban. Two other captured soldiers also claim to be U.S. citizens, a senior U.S. defense official said in Washington.

"I have seen military reporting saying that there are two other Americans in (Northern Alliance) custody," the official said. "I can't tell you their names or where they are, but I have seen that in military reporting."

Frank Lindh and Marilyn Walker identified their son after a close family friend taped CNN footage on his capture and showed it to them.

"They couldn't believe it," Bill Jones, the family friend, said Monday. "He's a good American kid. He had been on a spiritual quest and

they were supportive. They broke into tears when they heard him called an 'American Taliban.' He must have got swept away in something, because he was on a mission of mercy."

In a CNN interview shown Monday, Walker said he became acquainted with the Taliban while studying Islam in Pakistan and that his "heart became attached" to some of the group's fundamentalist teachings.

Jones said Walker, who uses his mother's last name, had been overseas for several years and his parents had last heard from him in the spring, when he sent an e-mail from Pakistan. "They had been trying everything to track him down," Jones said.

Eastern Afghan Leaders to Send Fighters to bin Laden Stronghold

By Susan B. Glasser
WASHINGTON POST

JALALBAD, AFGHANISTAN

Local leaders in this corner of eastern Afghanistan said Monday that they would send a force of 1,000 fighters to attack the reputed mountain stronghold of Osama bin Laden and his al Qaeda organization.

After a fourth straight day of bombing by U.S. warplanes at Tora Bora, the network of caves where the U.S. military say they believe bin Laden is hiding, the security chief for Jalalabad's government said the final offensive against al Qaeda would not wait for American

troops. The official, Hazrat Ali, said Monday night that the attack would begin within two days.

Tora Bora "is the last center of al Qaeda in this country," Ali said. "It is the strongest center of al Qaeda, and now we want to take it and make it the weakest center of al Qaeda."

Suggesting its own preparations for a major assault against bin Laden's alleged hideout, the U.S. military has stepped up its bombing campaign in the area in recent days. Local authorities here have reported heavy civilian casualties from the U.S. bombing runs; accounts put the death toll at more than 150. The

Pentagon has maintained that only military targets in the area have been hit, but witnesses said hospitals here are filled with dead and injured from villages in the Tora Bora region.

Various sources have reported sightings of bin Laden in the Tora Bora area within the last month, but none of those sightings has been confirmed.

Ali said bin Laden had sent a message through two Afghan intermediaries to local elders, saying he hoped not to have to fight against Afghans. He said he had no hesitation about battling any U.S. or foreign troops sent against him.

'Ginger' Inventor Takes Latest Act Public

NEWSDAY

It rolls, but will it rock?

Hyped as the biggest thing since the Internet, "Ginger" made its debut on national television Monday, as a half-dozen giggling would-be Jetsons put the two-wheeled "personal transportation device" through its paces in New York's Bryant Park.

Coddled by gyroscopes and powered by battery, the techno-scooter has the potential, its inventor said, to save the environment and change city life. New York transportation experts, though, said it probably would not be legal to drive on the sidewalk nor would it fare well on the street.

But those were barriers for another day.

"I wasn't even on this thing until five minutes ago," said Charles Gibson, host of ABC's "Good Morning America," as he maneuvered the compact two-wheeled platform through an obstacle course of ramps, bumps and pedestrians. "It's cool."

Indeed, the cool factor is what won inventor Dean Kamen upwards of \$90 million in venture capital from luminaries such as Steve Jobs to attack the market niche currently held by bicycles, golf carts and Razor scooters. Kamen, responsible for such breakthroughs as the cardiac stent and the insulin pump, ultimately has expectations of whole cities being restructured to accommodate Ginger.

Court to Rule on Procedures For State Judicial Elections

LOS ANGELES TIMES

WASHINGTON

The Supreme Court agreed Monday to decide an issue that goes to the heart of the current debate about state judicial elections: Do candidates for judgeships have a free-speech right to take stands on controversial issues?

Two-thirds of the states elect some or all of their judges. Yet by tradition and by law, these campaigns are staid, low-key affairs. Professional qualities and experience are emphasized, while a candidate's party affiliation and ideological views are downplayed.

Most states enforce a judicial code of conduct that requires prospective judges to refrain from taking stands on "cases, controversies or issues" that might come before the court.

But in recent years, big-money campaigning and ideological politics have invaded the world of judicial elections in a number of states, particularly in the South and Midwest.

Business groups have funded candidates who sought to oust state supreme court judges who were seen as too sympathetic to plaintiffs and trial lawyers. The trend toward more openly partisan and ideological campaigns has run squarely into the judicial tradition of keeping politics at arm's length.

Republican Party lawyers and anti-abortion advocates brought the issue to the high court this fall in a case from Minnesota.

Morgan Stanley invites you

INVESTMENT BANKING OPPORTUNITIES IN ASIA

We invite interested students to apply for 2002 Summer Analyst Positions.

Deadline for résumé submission: January 14, 2002.

Applications will only be accepted online.

For more information about this opportunity and to apply on-line, please visit our website: www.morganstanley.com/careers.

Any questions, please contact Morgan Stanley IBD Asia Recruiting Team:

ibd.asiarecruit@morganstanley.com

Join us.

Morgan Stanley

All information provided by job applicants will be used for recruitment purposes only.

Morgan Stanley is an Equal Opportunity Employer committed to workforce diversity. Morgan Stanley is a service mark of Morgan Stanley Dean Witter & Co.

OPINION



Chairman

Jordan Rubin '02

Editor in Chief

Dana Levine '02

Business Manager

Huanne T. Thomas '02

Managing Editor

Eric J. Cholakkeril '02

NEWS/FEATURES STAFF

Director: Rima Arnaout '02; **News Editors:** Kevin R. Lang '02, Jennifer Krishnan '04; **Associate News Editors:** Eun J. Lee '04, Brian Loux '04; **Associate Science Editors:** Nancy L. Keuss '04, Shankar Mukherji '04; **Staff:** Harold Fox G, Naveen Sunkavally G, Eric Z. Berry '03, Helana Kadyszewski '03, Alice S. Wang '03, Jeffrey Greenbaum '04, Vicky Hsu '04, Richa Maheshwari '04, W.S. Wang '04, Vincent Chen '05, Aaron Du '05, Christine R. Fry '05, Jing-Helen Tang '05, Maral Shamloo; **Meteorologists:** Veronique Bugnion G, Peter Huybers G, Rob Korty G, Greg Lawson G, Bill Ramstrom G, Efrén Gutierrez '03.

PRODUCTION STAFF

Editors: Gayani Tillekeratne '03, Joel Corbo '04, Joy Forsythe '04; **Associate Editors:** Andrew Mamo '04, Shefali Oza '04; **Staff:** Ian Lai '02, Anju Kanumalla '03, Eric Tung '04, Hangyul Chung '05, Jennifer Fang '05, James Harvey '05, Nicholas R. Hoff '05, Jean Lu '05, Ed Hill, Nur Aida Abdul Rahim.

OPINION STAFF

Editors: Kris Schnee '02, Jyoti Tibrewala '04; **Columnists:** Daniel L. Tortorice '02, Philip Burrowes '04, Roy Esaki '04, Ken Nesmith '04, Akshay Patil '04; **Staff:** Basil Engwegbara G, Michael Borucke '01, Kevin Choi '01, Christopher D. Smith '01, Jason H. Wasfy '01, Matt Craighead '02, Christen M. Gray '04, Tao Yue '04, Vivek Rao '05.

SPORTS STAFF

Editor: Aaron D. Mihalik '02; **Staff:** Robert Aronstam '02.

ARTS STAFF

Editors: Devdoot Majumdar '04, Annie S. Choi; **Associate Editors:** Fred Choi '02, Jeremy Baskin '04, Sandra M. Chung '04, Daniel S. Robey '04; **Staff:** Erik Blankinship G, Lance Nathan G, Bence P. Olveczky G, Sonja Sharpe G, Vladimir V. Zelevinsky '95, Bogdan Fedeles '02, Amandeep Loomba '02, Bess Rouse '02, Veena Thomas '02, Winnie Yang '02, Jacob Beniflah '03, Cesar L. Espitia '03, Daniel J. Katz '03, Jane Maduram '03, Amy Meadows '03, Chaitra Chandrasekhar '04, Freddy Funes '04, Jed Home '04, Pey-Hua Hwang '04, Izzat Jarudi '04, Chad Serrant '04, Andrea Wong '04, Eric Chemi '05, Daniel J. Dock '05, Sandra Gonzalez '05, Patrick Hereford '05, Jorge Padilla '05, Ricky Rivera '05, Ashley Robinson '05, Nicholas O. Sidelnik '05, Joseph Graham.

PHOTOGRAPHY STAFF

Editors: Nathan Collins G, Wendy Gu '03; **Staff:** Erika Brown G, Krzysztof Gajos G, Wan Yusof Wan Morshidi G, Michelle Povinelli G, Samudra Vijay G, Stanley Hu '00, Kailas Narendran '01, Matthew Mishrikey '02, Yi Xie '02, Roshan Baliga '03, Ekaterina Ossikine '03, Pedro L. Arcechea '04, Brian Hemond '04, Dalton Cheng '05, Michael Lin '05, Timothy Suen '05, Jonathan Wang '05, Amy L. Wong '05, E-won Yoon '05.

CARTOONISTS

Aaron Isaksen G, Solar Olugebefola G, Xixi D'Moon '01, Bao-Yi Chang '02, Jumaane Jeffries '02, Lara Kirkham '03, Duane Tanaka '03, Alison Wong '03, Tina Shih '04.

BUSINESS STAFF

Advertising Manager: Rachel Johnson '02; **Operations Manager:** Jasmine Richards '02; **Staff:** Kedra Newsom '02, Dashonn Graves '03, Joey Plum '03.

TECHNOLOGY STAFF

Frank Dabek G, Kevin Atkinson '02.

EDITORS AT LARGE

Senior Editors: Michael J. Ring G, Eric J. Plosky '99; **Contributing Editors:** James Camp G, Ming-Tai Huh '02.

ADVISORY BOARD

Paul E. Schindler, Jr. '74, V. Michael Bove '83, Barry Surman '84, Diana ben-Aaron '85, Robert E. Malchman '85, Simon Garfinkel '87, Jonathan Richmond PhD '91, Reuven M. Lerner '92, Josh Hartmann '93, Jeremy Hylton '94, Anders Hove '96, Saul Blumenthal '98, Indranath Neogy '98, Joel Rosenberg '99, B. D. Colen.

PRODUCTION STAFF FOR THIS ISSUE

Night Editors: Anju Kanumalla '03, Joy Forsythe '04, Andrew Mamo '04; **Staff:** Shefali Oza '04, Hangyul Chung '05, Jennifer Fang '05, Nicholas R. Hoff '05.

The Tech (ISSN 0148-9607) is published on Tuesdays and Fridays during the academic year (except during MIT vacations), Wednesdays during January and monthly during the summer for \$45.00 per year Third Class by The Tech, Room W20-483, 84 Massachusetts Ave., Cambridge, Mass. 02139. Third Class postage paid at Boston, Mass. Permit No. 1. POSTMASTER: Please send all address changes to our mailing address: The Tech, P.O. Box 397029, Cambridge, Mass. 02139-7029. Telephone: (617) 253-1541; editorial: (617) 258-8329; business: (617) 258-8226; facsimile: (617) 253-1541; advertising, subscription, and typesetting rates available. Entire contents © 2001 The Tech. Printed on recycled paper by Charles River Publishing.

Nation Building in Afghanistan:



YIPPEE! I'M DOING BETTER! MY NUMBERS ARE UP! I'M GOING TO BE OK!!!!



STAFF: JOEY PLUM '03, JAMES HARVEY '05, NICHOLAS R. HOFF '05, JENNIFER FANG '05, JANE MADURAM '03, AMY MEADOWS '03, CHAITRA CHANDRASEKHAR '04, FREDDY FUNES '04, JED HOME '04, PEY-HUA HWANG '04, IZZAT JARUDI '04, CHAD SERRANT '04, ANDREA WONG '04, ERIC CHEMI '05, DANIEL J. DOCK '05, SANDRA GONZALEZ '05, PATRICK HEREFORD '05, JORGE PADILLA '05, RICKY RIVERA '05, ASHLEY ROBINSON '05, NICHOLAS O. SIDELNIK '05, JOSEPH GRAHAM.

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

COPYRIGHT © 2001 BY THE NEWS-JOURNAL NEWS

Opinion Policy

Editorials are the official opinion of *The Tech*. They are written by the editorial board, which consists of the chairman, editor in chief, managing editor, executive editor, news editors, features editor, and opinion editors.

Dissents are the opinions of the signed members of the editorial board choosing to publish their disagreement with the editorial.

Columns and editorial cartoons are written by individuals and represent the opinion of the author, not necessarily that of the newspaper.

Letters to the editor are welcome. Electronic submissions are encouraged and should be sent to letters@the-tech.mit.edu. Hard copy submissions should be addressed to *The Tech*, P.O. Box 397029, Cambridge, Mass. 02139-7029, or sent by interdepartmental mail to Room W20-483. All submissions are due by 4:30 p.m.

two days before the date of publication.

Letters and cartoons must bear the authors' signatures, addresses, and phone numbers. Unsigned letters will not be accepted. No letter or cartoon will be printed anonymously without the express prior approval of *The Tech*. *The Tech* reserves the right to edit or condense letters; shorter letters will be given higher priority. Once submitted, all letters become property of *The Tech*, and will not be returned. *The Tech* makes no commitment to publish all the letters received.

To Reach Us

The Tech's telephone number is (617) 253-1541. E-mail is the easiest way to reach any member of our staff. If you are unsure who to contact, send mail to general@the-tech.mit.edu, and it will be directed to the appropriate person. *The Tech* can be found on the World-Wide Web at <http://the-tech.mit.edu>.

Why Don't We Add Up All of the Pieces?

Dan Tortorice

Every three months we are told how much the economy has grown in the last quarter. It was .2% last quarter. But rarely are we told what goes into that number. Rarely are we told that this growth measure doesn't account for the depletion of mineral resources like coal, or for the depletion of resources like forests. If someone cut down all the trees in Maine, and sold them on the market, that would be pure economic growth. However, the number wouldn't reflect the fact that all the forests of Maine are gone.

And it doesn't stop there. Economic growth creates increased pollution, yet our measure of economic growth ignores pollution entirely.

So what should we do? We are faced with a measure of economic growth that, while reasonable, has visible deficiencies. The obvious solution is to research ways to improve the measurement. Congress rejected the obvious solution in 1995 by forbidding the Bureau of Economic Analysis (BEA), the governmental agency responsible for calculating economic growth, from working with appropriated funds to improve these deficiencies. Congress even prohibited basic research into how to improve these deficiencies.

Why did this happen? Well, in a cosmic case of bad luck, the House Appropriations Committee had two influential representatives on it: Republican Representative Harold Rogers of Kentucky and Democratic

Representative Alan B. Mollohan of West Virginia. In a demonstration of bipartisan unity, they came together to fight against researching ways to improve the way we measure economic growth. Why would two people be so opposed to this research? The reason is simple: both West Virginia and Kentucky are major coal producers.

The research the BEA desired to do would most likely have shown that coal industries do not contribute as much to economic output as the traditional measure of

If you want to measure output correctly, you need to subtract the economic loss from removing the coal from the ground.

There was economic value in the economy that is no longer there. Secondly, coal pollutes.

output claims. The reason is twofold. Firstly, part of producing coal involves depleting mineral resources. Once you take the coal out of the ground, sell it, and burn it, you've reduced the amount of coal in the ground. Don't forget that the coal in the ground has economic value. How much? I don't know. But it has some value. You can certainly find someone who would be willing to buy land known to contain coal reserves. If you want to measure output correctly, you need to subtract out the economic loss from removing the coal from the ground. There was economic value in the economy that is no longer there. Secondly, coal pollutes. When you burn coal, you reduce the quality of air. It's

hard to put a dollar value on air; I don't think you would buy a bag of air from me. However, I think if I got all the residents of Cambridge together and said, if you don't pay me X amount of dollars, I'm going to burn tons of coal from my power plant and pollute the air, I could find a dollar amount they would be willing to pay me to pack up my bags and leave. Air quality is an asset, and has some monetary worth to people. Industries that deplete air quality should have that depletion considered when their contribution to output and economic growth is calculated. This is entirely subjective, you might say. How do you put a dollar value on air? It is free at the gas station. It's difficult, maybe impossible, to consistently measure the economic impact of changes in air quality, but that does not mean that no research should be done in this field. We should not run and hide from hard problems such as this; we should confront them and try to solve them. That is how our society advanced, and that is how it will continue to advance.

So what do we do, now that the vehicle to better measures of economic output has been hijacked by two congressmen defending coal and their home states? The make-up of the committee has changed in the last five years, and the two coal loving representatives are gone, so there's still hope. We now have an opportunity to begin anew, to develop estimates of output that are more informative. Only then will we know whether economic output is actually growing or whether it is shrinking due to the depletion of environmental resources. This is a key question to answer if we wish future generations to enjoy the same prosperity that we enjoy. It is a key question that can be answered if Congress appropriates the money and if BEA does the research.

Four Roads To Cloning

Kris Schnee

Just days ago, Massachusetts-based Advanced Cell Technologies announced that it had created a cloned human embryo. Stressing that there was no intention of using its technology to create cloned humans, ACT declared that its cloning research will be used to create embryonic stem cells for medical purposes. "I'm just trying to help people who are sick," said Michael West, the company's CEO.

There are two very different things we can do with cloning technology using the basic techniques developed by ACT and others. We can generate embryonic stem cells matching the DNA of any person, and create new organs or tissues that will automatically be compatible with them. The other result is that we can clone humans.

For several different reasons, people are becoming outraged about both possibilities. Some of the opposition comes from ignorance about what cloning is, and from bad movies like *The Sixth Day*, but there are some solid ideological differences behind the debate. There are four main directions we could take from here in deciding what to do about cloning technology, all of which are worth considering.

Option 1: Ban all cloning. We could outlaw all applications of the new technology both for reproduction and for medicine. This path simplifies the ethical issues a bit; we don't have to worry about the fundamental nature of human life or make any difficult choices. It's kind of like banning the printing press, which would save us from all the problems that device created. If we ban all cloning technology, people will die for the sake of our uneasy consciences. People die every year because of a shortage of hearts, lungs, kidneys, and other organs, and more die because we can't replace all of their failing tissues. An MIT student died recently for want of a bone marrow transplant; finding compatible donors is especially hard for minorities.

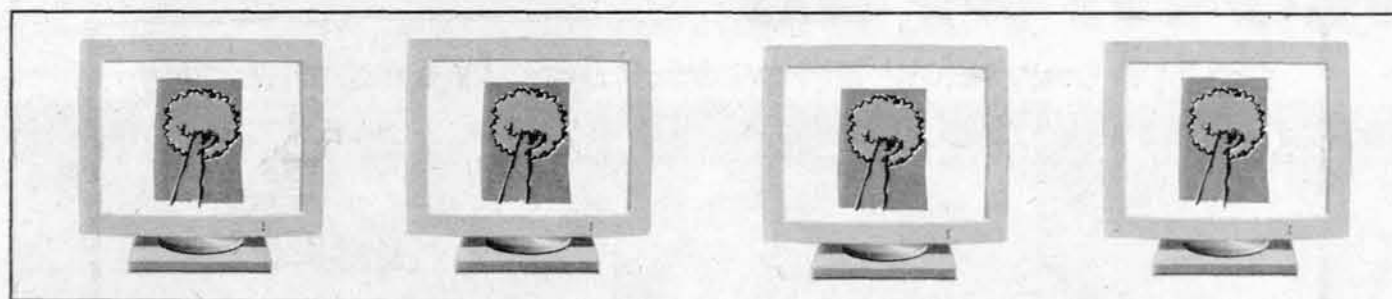
Option 2: Ban only medical (stem-cell) cloning. This is an interesting option, suitable for the pro-life movement. The production of stem cells involves destroying a human embryo about two weeks old or less. For those who believe that human life begins at conception, that means killing a human to save others — shaky moral ground. In contrast, creating cloned humans does not have this problem. Although it's important to run reproductive cloning through the standard FDA trials for safety, a cloned human will live a normal life, and is no threat to anyone. (People conceived in a lab by in-vitro fertilization already walk among us, and they are not exactly soulless killing machines.)

But why should we believe that a ball of cells with no brain, heart, etc. is morally equivalent to a living, breathing human who needs a new heart? As West says, before two weeks or so an embryo is still capable of splitting into two and becoming identical twins. If an embryo has not even "decided" whether it will become one or two people, how can it be treated as a single adult life?

Option 3: Ban reproductive but not medical cloning. This option is for people who see the medical benefits of stem cells but fear the results of reproductive cloning. Will there be a market in stolen Michael Jordan cells, or will parents expect too much from their clones because they have the same DNA? As with Option 1, this is a way of hiding from issues we don't want to think about, and limiting people's freedom too. Which leads us to...

Option 4: Keeping It Legal. This way we both save lives and maintain our freedom to have children however we want. To be sure, we'll have to wrestle with the details (like outlawing cloning without the genetic parent's permission) and educate the public to understand that a clone is his or her own person with a unique personality and talents. This way is the most mature and sensible way to handle cloning, as it faces the moral issues head-on and restricts technology only to prevent abuses of human rights, not out of fear.

Senate action has blocked politicians' attempt at a knee-jerk cloning ban, for now, and even the European Union has just rejected a ban on embryo research. But we still have a President and a large contingent of people who would like to deny us the use of this new technology despite its benefits, and we must work hard to win them over.



Restoring Athena's Glory

Philip Burrowes

It's unheard of to prefer — when price is not an issue — technologically inferior, antiquated computers to cutting-edge models. Yet what follows is just that. Information Systems, as part of its commitment to giving MIT students computers that actually work, is phasing out Silicon Graphics Inc. (SGI) machines in favor of Sun Blade 100s and Dell GX150s. Sure, they're faster, have more RAM, come with built-in input devices, and don't experience software conflicts due to long-forgotten operating systems. Do they, however, lend any equivalent ambiance, possess any comparable history, or let you turn the sound down? These seemingly irrelevant inadequacies will surely be wanting in future clusters.

Raise your hand if you remember Project Reality. For the uninitiated, it was going to be Nintendo's CD-based game console; their answer to Sega CD (and eventually Saturn), only good. What made it incredible was the idea of using graphics based on polygons — "Reality Immersion Technology" — instead of the traditional sprites. To power this revolutionary departure in design paradigms, Nintendo was utilizing the rendering power of SGI's then-new Indy desktop. Nintendo's legions of propaganda-subscribers ate up the ambiguously scientific details. Some of us hoped to sit down in front of that mythical computer, even if we would never have the technical skill to fully take advantage of its power.

A lucky few of us went to MIT and walked into a cluster, totally unaware that we would happen upon the beautiful Indy creature. It was probably a bit smaller than we imagined, but that made it all the more remarkable, right? Once we actually used the hunk of junk, we discovered our elusive unicorn was really a lumbering rhinoceros, known to crash at random. External volume controls were its sole saving grace, allowing us to secretly use AIM Quick Buddy. Buddies didn't quite

appreciate our constant gloating, however. Two or three logins were still enough for even the most fanatical to grow tired of the ironic novelty.

We chalked it up to Moore's Law and retreated from the past, but still clung to the hope of seeing what SGI was up to now. Surely, if the eventual N64's games could have been produced by a box over three years their senior, whatever succeeded it would blow the aesthetically pleasing but Wintel-wannabe Dells out of the water. On a crowded occasion at W20-575, maybe we walked into the dark and dank tower section that is right of the former Indy graveyard.

This time, we saw a light beckoning us away from the speciously massive Ultra 10s, and we turned to see towers after our own heart. Incredibly enough, SGI's O2 was a

When we first happened upon the beautiful Indy machine, it was probably a bit smaller than we imagined, but that made it all the more remarkable, right?

velte, stacked, altogether curvy computer we could actually use. Self-respecting UNIX users either balked at the IRIX GUI or kept their own X interfaces. The rest of us idiots (especially those who brimmed with glee at the fact that GameCube runs on a PowerPC) actually enjoyed the O2s more because it ran a bootleg MacOS, yet wasn't a BeBox. Double-clicking didn't always work, the Dumpster sometimes forgot how to empty itself, and we still couldn't manually allocate memory, but hey, it had folders. If you really wanted to text-prompt your way through directories you could, but — in shades of OpenDoc — the exact same interface could be used to browse the Internet.

Occasionally, bemused glares from our cluster-mates made us remember we weren't

actually in an alternate-reality Cupertino (or even the Media Lab) but would forget that once we played around with the camera. Never mind that O2s had no floppy drive, no (useless) card slot, and an inexplicably hidden CD-ROM; it had a camera that made MOVs (take that, Linux). All the better to see you with on those huge monitors. Besides that, there was a host of AV I/O ports that we never quite figured out let alone could reach, but we knew if we ever decided to carry around DV peripherals we would beeline over to O2s. True, they moved a bit slower than the Suns, but we weren't exactly looking for a Quickstation. Using O2s meant we were in it for the long-haul, that we were willing to sacrifice speed for fun-of-use. Eventually, AOL came out with AIM Express, so the advantage that the also volume-adjustable O2s had over your average SUN slightly diminished, but we were Zephyring by then anyway. Netscape stopped working well too, suggesting (another) Time Warner conspiracy, but who really misses Flash? Sawfish had the audacity to supplant 4Dwm in AC-09.0, but we could (for the time being) retain our beloved GUI should we renounce GNOME and return to Dash upon login. As if growing tired of our irrational resilience, I/S simply removed many of the SGI's, leaving us where we are today.

Maybe they're not gone forever, though. I/S held off on Indys for a long time, after all. Buying Origins might be out of the question (and Zx10 variants are hardware bastards), but as they've shown with their Internet servers, SGI is moving towards heavy Linux support. Should Apple ever get around to porting Quicktime, SGI could almost instantly become a viable producer of Linux boxes. We may well see the day where MIPS and S-Video will be as prevalent as UltraSPARCs or CD-RWs. On that day Athena will finally be restored to her former glory. Until then, we'll be reserving 4-035 indefinitely to test out "Aqua"-based Swordfish themes.



Wednesday, December 5, 2001

7:00 pm

Room 10-250

Massachusetts Institute of Technology

CREATING TOMORROW'S LEADING FIRMS

MIT \$50K Entrepreneurship Competition \$1K Awards



Keynote Speaker:

Mike Phillips

**Co-founder and Chief Technology Officer
SpeechWorks International, Inc.**

<http://50k.mit.edu>

MITSFS Members Support Move

MITSFS, from Page 1

accessibility of their extensive science fiction collection, which they claim contains over 90 percent of all science fiction ever published in English.

MITSFS members strongly support the idea of a move, arguing that it is necessitated by their growing collection.

"We are very low on space, and if we could have that space, we could do a better job of being a library," said Scott E. Kullberg '99, an active member of MITSFS. "We have a lot of stuff in boxes currently. It starts to be a problem when

circulating paperbacks can no longer be shelved." SFS added some shelf capacity several years ago, but the group cannot add more capacity without reducing accessibility.

Loss of room could hurt students

While the move would benefit both the ASA and student groups in need of office space, MIT students would suffer the loss of quiet study space. The reading room is busy throughout the year, but during finals week it is almost always filled to capacity. The ASA suggested that students could take advantage of the many other reading and study areas that exist on campus.

Moving the Science Fiction Society's library into the reading room will result in the loss of about 20 spaces in the reading room, roughly a quarter of those currently available.

UA reapportions IFC seats

Also at last night's meeting, the UA passed a bill to reapportion council seats in light of the Panhellenic Association's split from the Interfraternity Council. The Panhellenic Association will now be considered a single living group for the purposes of distribution of council seats. The IFC will subsequently lose one seat on the council.

Clay Criticizes Lack Of Cohesion at MIT

Clay, from Page 1

this is a community of scholars." The third view was of MIT as "an infinite set of microcommunities."

Isolation hurts MIT students

MIT proudly identifies with its diversity, Clay said, by splitting off into smaller and smaller groups to the extent that the cohesiveness of Institute as a whole suffers. The 1998 report of the Task Force on Student Life and Learning found that "too many students were isolated," according to Clay. The report indicated insufficient faculty-student relations, no connections to alumni, and "no active basis for everyday bonding" between students, faculty, and alumni.

Clay's goals as chancellor included alleviating such ills. Microcommunities are not to be extinguished, Clay said, but strengthened. More importantly, separate groups need to "find a basis for having more things in common."

Clay said "insufficient communication is a general problem." Dean for Student Life Larry G. Benedict is in the process of setting up a web page that will make information from committees available to the community. The web site helps to address the need for community

evaluation while preserving confidentiality. Clay also placed responsibility for increased communication on student leaders to generate discussion and the media to keep the public informed.

FSILG funding increases

Clay acknowledged that fraternities, sororities, and independent living groups may face hard times as a result of the transition to housing all freshmen on campus in 2002.

Since MIT does not own most FSILG houses, the Institute cannot enact physical changes to the houses themselves. However, Clay spoke of motions to make additional funding available to FSILGs. Though some existing funds have been historically allocated to FSILGs, the Residential Systems Implementation Team subcommittee is currently working on the creation of a "transition resource" to further increase MIT financial support.

Clay acting on Vest's request

President Charles M. Vest asked Clay to lead the development of a unified concept of community at MIT. Clay's appointment illustrates the importance of the concept to the academic and non-academic success of MIT students during and after their MIT experiences.



BEN SOLISH—THE TECH

Jason Paul and Christina Dancz while away an evening juggling at MIT. Jugglers from around the Cambridge area meet every Sunday between 3:30 and 6:30 in Lobby 10 to practice and play.

ATTENTION STUDENT COOP MEMBERS GET ON BOARD!



Apply to be elected to THE COOP'S BOARD OF DIRECTORS

The Coop is now accepting applications for nomination for election as a Student Board Member for the 2002-2003 academic year. Applications are available at any Coop branch store, or at the Member Services Office, 4th floor, of the Coop's Harvard Square Bookstore.

Final date for return of application is
FRIDAY, DEC. 14, 2001 AT 5:00PM



www.thecoop.com

HOW TO HELP.

The September 11th Fund is accepting donations now. And we're directing the money to where it is needed most. From grief counseling and emergency financial assistance to long-term medical care and community rebuilding.

The fund, established by the United Way and The New York Community Trust, will use 100% of your donation to support immediate and longer term assistance to victims, families and communities affected by the tragedy. In a time of immense loss and mourning, please be assured that any gift you give will be distributed efficiently and expertly.

How to donate:

MAIL

Check payable to:

"United Way September 11th Fund"
c/o United Way of NYC, 2 Park Avenue,
New York, NY 10016

PHONE

1-800-710-8002

ONLINE

www.september11fund.org

The September 11th Fund



The New York Community Trust



UNITED WAY

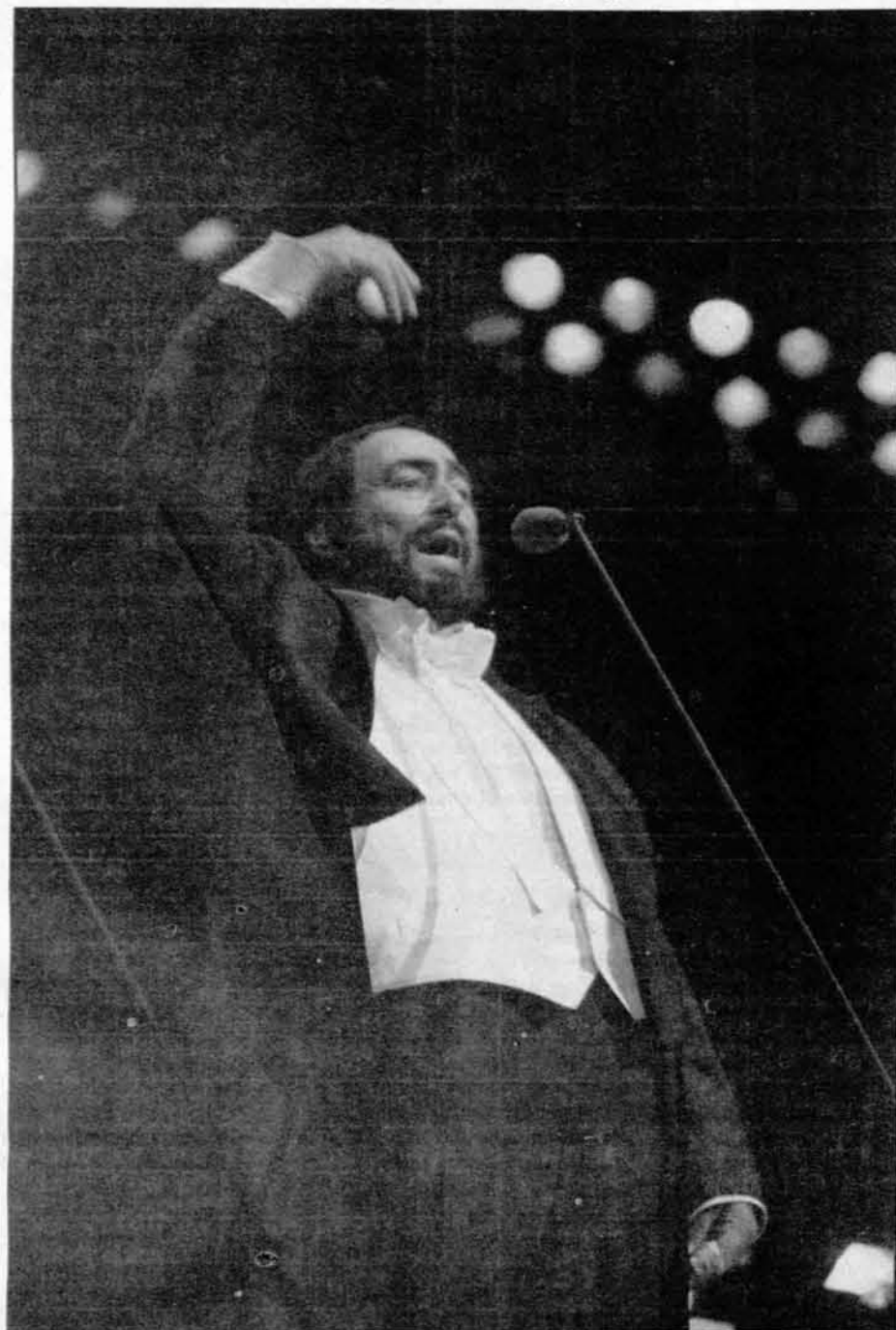


THE ARTS

CONCERT REVIEW

Pavarotti Pandemonium Hits Boston

Famous Tenor and Soprano Raspagiolosi Delivers Eleven Pieces and Leads Sing-Along To Close Evening



Tenor Luciano Pavarotti conducts the audience during an encore sing-along. Pavarotti performed November 25th at the FleetCenter with Soprano Annalisa Raspagiolosi and conductor Leone Magiera.

By Laura Rubiano-Gomez

Luciano Pavarotti
FleetCenter
November 25, 2001

With his many appearances not only on the greatest international opera and concert stages, but also on television, in movies, and in arena concerts, tenor Luciano Pavarotti's impact on the world of music has been enormous.

He has broadened the horizons of classical music and has brought untold numbers of new fans, young and old alike, to his art. His thrilling tenor voice and unique personality have reached and touched countless audiences throughout the world, and he has become the personification of opera on television and recordings in our time. From frequent television appearances on *Live from Lincoln Center* and *Live from the Met* as well as on documentaries and talk shows, Pavarotti has added to his musical renown, making him a household name worldwide.

Pavarotti performed at the FleetCenter in Boston on Nov. 25 as part of his North America tour. It was no surprise to anyone who attended this event to see the FleetCenter almost filled to its capacity as people from all walks of life came together to

experience classical music at its best. Pavarotti was joined by beautiful Italian soprano Annalisa Raspagiolosi, by Leone Magiera as the conductor, and by the World Festival Symphony Orchestra in a performance that brought out the best in Pavarotti to make this performance a truly magical experience.

The maestro himself put a riveting program together, which gave him the chance to sing his great duets, as well as his favorite arias and love songs. The truly remarkable aspect of that night's performance was the ability of Pavarotti and Raspagiolosi to effortlessly bring the duets to life.

Raspagiolosi's beautiful soprano voice complemented Pavarotti's voice in such a way that only helped to emphasize his magnificent virtuosity.

The performance included two arias "Che

Gelida Manina," "Si, Mi Chiamo Mimi," and "O Soave Fanciulla" from *La Boheme*. These two arias and duet form the closing of the first act of Puccini's most popular opera.

At this point in the story the poet Rodolfo and seamstress Mimi have met and tell each other of their lives. Rodolfo is a poor poet who lives in poverty, building castles in the air. Mimi has no real story to tell, she only embroiders flowers for others to wear. The audience was truly captivated as poor Rodolfo and Mimi were brought to life not only by the voices of Pavarotti and Raspagiolosi, but also by their gestures and facial expressions.

At every performance since his first formal recital on February, 1973, Pavarotti has created what critics have called "Pavarotti Pandemonium" with his direct and appealing nature, his amazing voice and his larger-than-life persona. His performance at the FleetCenter was no different. He captured the audience's attention with the way that he entered and positioned himself on stage. He has a great imposing figure, but his jolly face and sweet

demeanor make him seem more like an all-knowing grandfather than one of the greatest performers in the history of music.

After performing 11 pieces that ranged from Puccini's "Recondita Armonia" to De Curtis's "Non Ti Scordar Di Me,"

Pavarotti was honored by a five minute standing ovation that turned the FleetCenter into a sea of applause, camera flashes, smiles, and screams.

As if it could not get any better, the encore was composed of three of the most widely knowing classical music pieces. Pavarotti began with a fantastic rendition of "Granada," followed by an even better rendition of everyone's all time favorite "O Sole Mio." At the very end, the audience was given a once-in-a-life-time chance to perform with one of the greatest singers in history. During his rendition of Verdi's *La Traviata*, the audience was allowed to sing the chorus along with Mr. Pavarotti and Miss Raspagiolosi. It was the perfect ending to a magical night, one that the audience will not soon forget.

*The truly remarkable aspect
... was the ability of Pavarotti
and Raspagiolosi to effortlessly
bring the duets to life.*

MUSIC REVIEW

Bands For America

Compilation Features Jack Johnson, G. Love, O.A.R., and String Cheese Incident

Helana Kadyszewski
STAFF WRITER

If you're still looking for a way to contribute to the September 11 relief effort, here's one: Head over to Tower Records and check out the new *Bands for America* CD. All sales proceeds go directly to the United Way and September 11th Fund.

Why throw your money away on some cheesy tribute compilation? Well, because it's not cheesy. Well, at least the cheese is mild. *Bands for America* (BFA) features 17 tracks from some of the newest, most popular acts in the college/roots rock scene. Best of all, more than a few of the featured artists will be making their way to venues in the northeast sometime soon, so if you like what you hear, you can go see them.

The first track is a lighthearted little ditty titled "Mud Football" from the debut album of ex-surfing sensation Jack Johnson (*Brushfire Fairytales*). If you sniff carefully, you can detect Ben Harper and G. Love influences in this track (Johnson produces Harper and has worked extensively with G. Love). Complete with a cow bell and clapping interlude, it's an acoustic ode to the simple things in life: pick-up trucks and football with the boys. Beyond the fact that it's a great tune, Mud Football might have been chosen for the compilation for these lyrics: "We used to laugh a lot/But only because we thought/That everything good always would remain/Nothing's gonna change there's no need to complain."

Another one of the bigger names on the album is jam band String Cheese Incident. The Colorado based outfit, which once raised over \$20,000 for local Boulder County charities, has been using its music to unite audiences since 1993. Their contribution to the *Bands For America* album, "Inside or Outside," is nothing special and is certain to leave a phishy taste in your mouth; Phishermen and Deadheads take note.

Then you have Of A Revolution, more commonly known as O.A.R. Take five buddies from Ohio State University, give them a few microphones, some guitars, an electric mandolin (just for kicks), and let them go at it. These guys have a low key and very distinctive sound. That is, you can spot an O.A.R. song miles away if you've heard them once. Their contribution track is from their latest album *Risen*, and is titled "Hold on True." While it's pretty representative of their choppy but still smooth style, they have done better. This one's a bit mainstream and might work better as part of a Dawson's Creek episode soundtrack than it does on the *BFA* Album. But then again, what is America about if not a bunch of buddies drinking beer and writing songs about nothing at the State University.

I'd heard of Dispatch before I listened to this album, but never heard any of their stuff. A three-man band, Dispatch plays all over the Northeast. My best attempt at a description of their tune "Passerby" is this: take Sting's mys-

tique, the lead guitar stylings of Dire Straits, a dash of Carlos Santana, and a few strips of beef jerky, throw all of that in a blender and purée it until smooth. I hear that this tune is a bit off-center from the rest of their repertoire, but go see them for yourself at Bentley College on Sunday Dec. 9. (Don't ask me why this song is on the *Bands for America* compilation album).

Sonia Dada, out of Chicago brings us perhaps the first song on the album that makes sense. Titled "Ain't Life for the Living," this soulful celebration of life breathes touches of R&B, early blues, even a little of that 70s gospel funk. Even though the song is a bit too formulaic, it does leak a masterful musicianship that you can't quite put your finger on. A little background check on these guys reveals their great range. I just may have to see them this Saturday at the Paradise Rock Club.

And what Sept. 11 tribute album would be complete without a tear jerking money-maker like Cary Pierce's "I believe in America?" This one's been all over TV since the tragedy occurred. Perhaps President Bush and Tom Ridge collaborated with Pierce on the following lyrics: "And they tried to tear us down / As we watched the Towers fall / They thought they could take our pride / Little bit of well-intentioned cheese here, but okay, Cary."

The next few tracks, if anything, are a nothing-special celebration of quiet times, families, and friends. Graham Colton's "Save Me" does nothing for me (though rumors are he's good looking). He'll have to work hard to distinguish himself from every other non-hardcore 20-something guy with a guitar. Another small-time band Virginia Coalition offers a sing-songy track titled "Lumeniferous Ether." Domestic Problems and Strange-folk follow with their musical donations "James Francis" and "Go to a Show" respectively.

The CD goes cheese-free for pretty much

the remainder with King Konga offering a spirited track *Something Good* that I swear was used on a Dr. Pepper commercial. Nevertheless, it has a lot of percussive pep, even if it's the Huey Lewis kind. I get the feeling that their latest album, also titled "Something Good," might be worth a look.

Lucky Town then brings the first feminine lead to the *BFA* album, as Courtney Criswell belts out "Dirty Shoes," a track from L-Town's latest release "Anyway I'm Fine." The band, another out of Virginia, is building up quite the national fan base and MTV's Road Rules has used a few of their songs.

Pepper's Ghost (Beatles allusion intended) offers "Sad Sad Song" in the tradition of the Beatles and David Bowie, and reminds us that "it's tough to sing a sad, sad, sad song." Smartbomb and The Booda Velvets round out the Goo Goo Dolls/U2 portion of the album, with two solid tracks, and then comes my favorite.

"Wiseman," brought to you by Slightly Stoopid, the house band of x-treme skateboard sports (These are the guys who rock out for ESPN-2 footage of the tumbles and terrors of aerialists and snowboarders). But this tune is not of the typical hardcore adrenaline pumping nature, instead it's acoustic, and rather Marley-esque. Among Stoopid fans, if it's not already, Wiseman will be in the weedsmoker's karaoke top ten.

The last track on the album is an ode to the events of September 11th by Garrett Dutton of G. Love & the Special Sauce. Sorrowful lyrics about the events of the hijackings are set to the gentle pluckings of Dutton's acoustic. Complete with harmonica interludes, "On 9.11.01" is akin to Dylan's ballad about Rubin "the Hurricane" Carter.

Try *BFA*, you might like it. If you don't, your patriotic Aunt Sallie might. Give it to her for Christmas. If she doesn't like it, at least you know your \$10 went towards a good cause.

MUSIC REVIEW

Spread the Word

Ludacris' Word of Mouf

Freddy Funes
STAFF WRITER

Ludacris quickly went from being an unknown Atlanta-based rapper to one of the most recognizable voices of rap. *Word of Mouf*, his newest album, is an amazing CD whose positive attributes more than make up for any flaws. Creativity, absurdity, and captivating all describe *Word of Mouf*. Ludacris uses unusual lyrics to sound both dangerous and funny. Most important, however, is the clarity with which Ludacris is having fun while rapping throughout *Word of Mouf*.

Word of Mouf begins with "Coming 2 America," a song that creates high expectations for the rest of the CD. The beginning of "Coming 2 America," a sexually charged parody of the movie *Coming to America*, is completely unexpected and incredibly funny. Ludacris' lyrics are amazing; they stunned me the first time I heard them. His change of tempo throughout the song also adds to the song's originality, and his unusual voice makes the song more bizarre and pleasant than it would have been otherwise. The mixture of the lyrics, shock value, bizarreness, and tempo change creates a nicely different song. While not the best song on *Word of Mouf*, "Coming 2 America" is a good predictor of what is to follow.

"Coming 2 America" is followed by "Rollout (My Business)," one of the heavily radio-played singles in the album. "Rollout (My Business)" is arguably the best song in the album, although its main strength is its radio-playability. "Rollout (My Business)" consists of Ludacris complaining about other people asking him about every detail of his lifestyle. This song's lyrics are witty and truly original. Ludacris brings up some of the most random, yet intriguing subjects up in the song. "Now who's that bucked naked cook fixin' three course meals? / Gettin' goosebumps when the body taps them six inch heels," is probably one of the most unusual verses I have heard. The song simultaneously gives the impression that Ludacris is still ghetto, does not want anyone to interfere with his lifestyle, and lives a great lifestyle shaped by an excess of women and money.

One of *Word of Mouf*'s strengths is its skits. The skits, dispersed through the CD, bolster Ludacris' songs, adding quick and hilarious stories explaining or playing on the song. For example, the skit preceding the popular single "Area Codes," called "Nowhere (skit)," plays on the word "ho." The skit ends with "I'm in the middle of Ho-where." The song then nicely crosses over to "Area Codes." All the skits in the CD are as effective of this one. "Greatest Hits (skit)," which consists of random white people rapping to Ludacris' hits, is equally enjoyable. The skit contained within the song "Cry Babies (Oh no)," while vulgar, is a perfect intro to the song that follows it. Skits in most CDs usually take away from the quality of the CD; the skits in *Word of Mouf*, however, add a priceless comedic effect.

The most amazing song in the CD, however, is "Word of Mouf (freestyle)." If Ludacris and 4-Ize truly rapped this song freestyle, then my respect for Ludacris' rapping ability doubled. Neither Ludacris nor 4-Ize stumble while rapping. Their lyrics, however, are neither weak nor lackluster; just like in all the other songs, they are both illogically funny and pimping. Like a well-prepared song, the lyrics have a common theme and flow well. If the song did not have the word freestyle in the title, it would be hard to believe it was freestyle rap.

While *Word of Mouf* contains some songs which are by no means spectacular, it contains songs like "Rollout (My Business)," "Area Codes," "Cry Babies (Oh no)," and "Move Bitch," among others, that make *Word of Mouf* a unique hip-hop album. The intriguing mixture of ghetto subjects with a humor unique to Ludacris makes *Word of Mouf* truly great.

RESTAURANT REVIEW

Cuchi Cuchi

Restaurant Shows We Aren't In Sevilla Anymore

By Winnie Yang
STAFF WRITER

Cuchi Cuchi
795 Main St., Cambridge
(617) 864-2929

Spanish *tapas* and *pinchos*, Russian *zakuski*, Chinese *dim sum*, Middle Eastern (and Turkish and Greek and North African) *mezze*, *antipasto*, *amuse-bouches*: though the ingredients of each might be as disparate as taro and anchovies, these small plates all reflect the shifting focus in restaurant dining to first courses — a way to try a little bit of everything without committing to a big entrée. Cuchi Cuchi, a newcomer to Cambridge, offers a menu composed entirely of small plates. Because of its name, I'd mistaken it for just another *tapas* bar, but Chef Jared Hargreaves' creations span much of the globe.

Cuchi Cuchi's modest storefront exterior belies an expansive interior that seems to extend all the way to Inman Square. The dining room is warm and attractive, well separated from an impressively large bar. The wood flooring and paneling, crackle-glaze tiling, and heavy glass and wrought iron accents lend a Continental feel to the room, while the soft Spanish and French music and the melodious inflections of some of the service staff transport you even further from Cambridge. The dim lighting, while romantic, is actually a bit too dim and might prove an obstacle to actually discerning what's on one's plate.

From the drinks list, we selected the clericó (\$15), a refreshing concoction of white wine, sparkling cider and fruit. Our server brought a basket of thinly-sliced bread, a white Portuguese loaf with a dense crumb. Though the chicken liver pâté that accompanied the bread had the requisite smooth texture and creamy consistency, I've never been able to acquire a taste for liver (except of the foie gras persuasion). I did, however, love the bread with the excellent olive oil that was brought to our table on request.

When I finally turned my attention to the menu, I was surprised that I couldn't find *croquetas* or *jamón ibérico* anywhere on the menu. I understood on further inspection of the menu: mussels thessaloniki and green curry chicken?

Clearly, Toto, we aren't in Sevilla anymore. Choosing from the many offerings proved difficult — especially given the minimal descriptions ("baked acorn squash") of some. Our server directed us the grilled trout and provided descriptions for the "three potatoes" and "risotto" listed. (The preparations for these change often enough to warrant a more generalized name on the menu, it seems.) I wasn't sure how the kitchen would handle the ordering of the dishes we selected, as ZuZu, another new place

risotto was a respectable version, with just enough "bite" to each rice grain, but lacked depth in flavor (more salt perhaps?). The nuts were a wonderful touch, adding crunch, but would have been more effective if the rice had been creamier. It was nonetheless warm and filling, as risotto should be. The eggplant, however, was without fault: succulent, with a substantial, almost meaty texture, the smoky, earthy flavor perfectly married with the acidic tomato ragout and tangy goat cheese.

Timing is a feat at Cuchi Cuchi, as the grilled trout and grilled lobster followed quickly on the heels of the empty plates retreating from our table. Our server had recommended the trout with marked enthusiasm, but I found it very salty and sour — from the accompanying charred lemons, presumably — and overpoweringly so. The lentil purée would have tempered the pungent fish well, were the portion larger.



MICHELLE POVINELLI—THE TECH

Mussels Thessaloniki adorns the internationally flavored menu at Cuchi Cuchi.

in the area that also offers small plates, sends all its *mezze* out at the same time, which proves difficult to handle on the table and in the mouth.

For my dining companion and me, Cuchi Cuchi solved this problem by sending the dishes out in rounds, a dish for each of us, as if they were courses. Dishes were large enough to share without leaving either of us dissatisfied at having too little to taste. The risotto (\$8), presented this time with pumpkin and pistachios, and the stuffed eggplant (\$9) — both smelled divine, as did every dish that followed. The

The lobster (\$15), on the other hand, was superb: two halves of a tail arranged geometrically atop a bed of boursin whipped potatoes. The lobster tail was grilled to perfection and redolent with the vanilla bean *beurre blanc* sauce.

Still hungry for more, we ordered the braised duck shank with an espresso and habañero glaze. It actually tasted quite Asian, especially since the shredded vegetable alongside were dressed with a vinaigrette that tasted of sesame oil. The duck was very tender, and I managed to clean the plate without any hesitation. We also had the three potatoes: sliced and sautéed; cubed in a milky cream sauce, flecked with tiny circles of green onion; and creamed with crunchy bits of garlic. The last two were especially good.

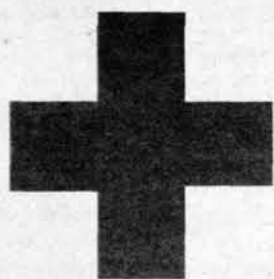
It's probably not surprising that we didn't opt for dessert. Though these are small plates, they do add up, and we left the restaurant with full bellies. I'm eager to return to try some of the many dishes we overlooked (the lamb porterhouse or the ceviche plate, for instance), as well as the chocolate banana-bread pudding.

Is it any wonder that every culture seems to have a version of small plates? If, like me, you can never decide between the tilapia or the sea bass, or the pork tenderloin sounds as tasty as the lamb chops, small plates are definitely the way to go. As a restaurant reviewer and serious foodie, I already have the tendency to steal things off of other people's plates, but here, fortunately, I've got the food without the guilt, since sharing is part of the experience.



MICHELLE POVINELLI—THE TECH

At Cuchi Cuchi, with its large interior complemented with impressive bar, sharing is part of the experience.



This space donated by The Tech

Blood Drive

Wednesday, January 12
10:00a.m. - 5:00p.m.

La Sala De Puerto Rico - Student Center

Contact T.C.A. at 3-4885 or the American Red Cross at 1-800-258-0025 ext 2095 or 2092 for an appointment for more information

unique job opportunity



flexible hours, minimal
time commitment



earn up to
\$600 per month

If you're male, in college or have a college degree, and are interested in a job where you can earn up to \$600 per month on your own schedule, call 617-497-8646 for information on our anonymous sperm donor program. Only in this unique job can you earn extra income and help infertile couples realize their dream of becoming parents.

Acapulco
Cancun
Jamaica
Bahamas
Florida

**SPRING
BREAK!**
2002

Promote Trips
at MIT
Earn Cash and Go Free
Call for details!!!
1-800-648-4849
www.sbttravel.com

TEACH ESL IN THE U.S. OR WORLDWIDE

SIT TESOL Certificate Course/UCLES CELTA

Recognized for excellence around the world

Now offered in Boston!

Jan. 7 - Feb. 1, 2002

(877) 257-7751, ext. 3310

tesolcert@sit.edu

www.sit.edu/tesolcert



The School for International Training is accredited by the
New England Association of Schools and Colleges.

CONCERT REVIEW

Coyote's Dinner

A toothsome treat for all

By Roy Esaki

STAFF WRITER

MIT Wind Ensemble

Kresge Auditorium

8:00 PM November 30, 2001

Attendees of Friday's Wind Ensemble concert got a taste of the world premier of the one-act comic opera *Coyote's Dinner*, written by Lecturer Charles Shadle and Senior Lecturer Michael Ouellette from the Department of Music and Theater Arts. The low-scale stage presentation was crisp and simple, the text of the libretto bluntly direct (if not a shade provocative at times), and the singing and acting well done, making the performance easily accessible and enjoyable for even the most operatically disinclined.

The first half of the evening's program featured the Wind Ensemble playing standard concert repertoire. A fairly nondescript performance of Beethoven's *March No. 1 in F* was followed without pause by Paul Hindemith's *Geschwindmarsch* by Beethoven. The latter piece is a neoclassical "paraphrasing" of *March No. 1*, wherein variations of Beethoven's melodies are quoted in disembodied fragments phase by phase, separated by intervals of the motive's accompaniment. The immediate juxtaposition of the two works was an interesting premise in principle, but wasn't terribly musically enriching.

The Wind Ensemble played Borton Gould's *Ballad for Band*, a relatively unknown "tone painting" of the American composer and conductor "as an expression of a hope for peace," although there didn't seem to be any relationship between the piece and peace aside from the general dreaminess of the slow passages. Mendelssohn's *Overture for Winds* was a pleasant piece, played with more gusto and vim than the others.

After this obligatory appetizer came the entrée of *Coyote's Dinner*. The satirical and almost flippantly humorous libretto, written by Michael Ouellette, Senior Lecturer in Theatre, is based on a Lakota folktale, featuring a Don Juanesque trickster Coyote (Carlos Archuleta), his arrogant friend Iktome (Philip Lima) and his oppressed wife (Hillary Nicholson). The characters in the Coyote tale are presented along with a missionary, his

are forced to play stereotyped "Indian roles." Immediately thereafter, Dr. Sydney Hill (Mary Ann Lanier), the anthropology professor, enters, complaining "What's this? Tuxedos? Gowns? No beads, no feathers?" and has the actors remove their "civilized" clothes and don traditional buffalo robes and vests. Watching this in pious astonishment is Rev. Hosiash James (William Cutter), who deplores the presentation of "buck naked men, parading" and decries the de-civilization of these Indians whom he had worked so hard to make "decent." A series of disputes between these two dogmatic figures, the Professor and the Reverend, illustrates their respective oppressive self-righteousness.

Interspersed in these scenes are brief appearances by the research assistant, Tim

Coyote over for dinner, but leaves to find a duck, warning his wife to watch for Coyote's "traveling hands". The wife, upset that she will have only turnips and no meat left for her to eat after the men are done, eats the livers herself (which makes the Reverend burst out, ranting about "the woman's place"). Coyote enters, seduces the wife with a maudlin barrage of musical love-themes and the livid Reverend livid, shouting "adultery, fornication, uncleanness, lasciviousness!" which then prompts the Professor to equally indignantly protest the Reverend's Christian prudery and white man's morals.

In a novel, self-conscious theatrical device, Frederick Harris, director of the Wind Ensemble which has been accompanying the opera, stops the music, and chastises the Reverend

and the Professor for this unprofessional conduct, and apologizes to the audience. Following this entertaining performance by Harris, Tim and Nancy June commiserate with each other, both admitting that other than their menial servitude, each is all alone.

The Coyote-tale ends with Iktome's wife threatening to cut and serve Coyote's gonads to replace the eaten livers. The lyrics are not for prudish audiences, or those without a liberal sense of humor: the Coyote and his wife sing "What is this meat? Your Balls! Your big, hairy balls!" Coyote runs away, and Hosiash calls the Professor the "whore of Babylon" and storms off. The opera ends with

Iktome's calling out for "just one for me". While dealing with rather weighty issues of ethnic subjugation through copious stereotyping, *Coyote's Dinner* served generous portions of comic repartee and humorously melodramatic and caricatured music, and was an enjoyable and painless way to make me honest in saying that I spent Friday night watching an opera.



Coyote (Carlos Archuleta) and Iktome's Wife (Hillary Nicholson) sing in the one-act comic opera *Coyote's Dinner*, by Charles Shadle and Michael Ouellette, last Friday.

oppressed wife, an anthropology professor, and her oppressed research assistant to satirically illustrate the use of dogmatic power, both conservative and liberal, to exploit the oppressed.

The opera starts with Coyote and Iktome, who play the role of a Native American actors hired to perform for the a cultural anthropology presentation, complaining about how they

Johnson (Graham Wright), and the Reverend's wife, Nancy June James (Mary Tsien); both are clearly exploited and subjugated by their respective masters, and while they are the most minor characters, they merit the most empathy of all.

Eventually, the cultural performance ensues, and the Native American actors act out the Coyote tale. Iktome wants to invite

when the hero is in sight, ominous percussion when the villain is sauntering by, and blasts of hard rock whenever there is a shootout. The cinematography uses the same blue filter, always. The acting is ludicrous: Hackman is obviously embarrassed, and Wilson is trying to open his eyes wider in each subsequent shot. Also, why is Hackman filmed in every scene with the camera first staring at his chest and then panning up to the lower three quarters of his face?

To say that the editing was been done in a blender would be too kind. Ol' Bessy down in the barn could munch the footage and regurgitate a better movie. The registry of inanity goes on. Whose bright idea was to edit unfocused close-ups into the middle of shaky-cam footage of the hero walking? Whose idea was to have him successfully outrun explosions in the minefield, while all his pursuers are blown to bits? Whose idea was it to have a commercial product placement in the middle of war-torn Bosnia? Who decided to have all evil people drive Japanese cars and all good people American ones? Who worked on these special effects, creating the least convincing explosions in the history of cinema and the most blatant blue screen artifacts?

The climax involves the rescue itself. Two things happen during this sequence. First, we realize that the rescue was not about the man, but about a disk containing photographs that he took. The entire conflict was not about a human being, but about propaganda tools. Second, three American helicopters murder, with the help of machine guns and an occasional air-to-land missile, several dozen Serbian soldiers. The glorious carnage is filmed as an orgasmic rush of images, with fetishizing close-ups on weapons' muzzles, and slow-motion twitching of dead people.

Ironically, this movie is rated PG-13 by the Motion Picture Association of America — for one instance of the word "fuck."

It is crap. The patriotic public will eat it up. It will make millions. But to the people behind the camera of *Behind Enemy Lines*, shame on you.

FILM REVIEW ★ 1/2

Behind Enemy Lines

Who is Behind Them?



JURGEN VOLLMER

Owen Wilson stars in *Behind Enemy Lines*.

By Vladimir Zelevinsky

STAFF WRITER

Directed by John Moore

Written by Jim Thomas, John Thomas, David Veloz, and Zak Penn

Starring Owen Wilson, Gene Hackman, and Joaquim de Almeida

Rated PG-13

A big, fetid pile of putrid crap, *Behind Enemy Lines*, is a solid one-star movie. The film begins with sexy footage of guns, cannons, and other murder weapons, all scenes stolen from *Top Gun*. A hero (Owen Wilson) gets shot down over Bosnia, and from here on, we're in faux *Saving Private Ryan* territory, only without a genuine craftsman at the helm. The bulk of the movie follows the protagonist escaping an evil Serbian tracker. Oh yeah, there is also Gene Hackman, who would really like

to send a rescue team, but can not because he is forbidden by his superior for some unspecified reasons.

The direction is incompetent, but that should come to no surprise from a director whose oeuvre is limited to thirty-second ad spots for Sega Genesis. Shots are out of focus, there is no continuity, and even less believability. For example, the hero miraculously dodges the fifteen thousand rounds of ammunition that his Serbian enemies fire in his direction by running through a barren hillside.

The scenes are all the same: Serbians fire a bunch of rapid shots, the hero runs through the forest, and an evil Serbian runs and aims at the hero, in slow motion. There is either a gunshot or a thousand gunshots, and they all miss the hero, who jumps and continues running.

The musical score plays rousing chorales

Write for Arts

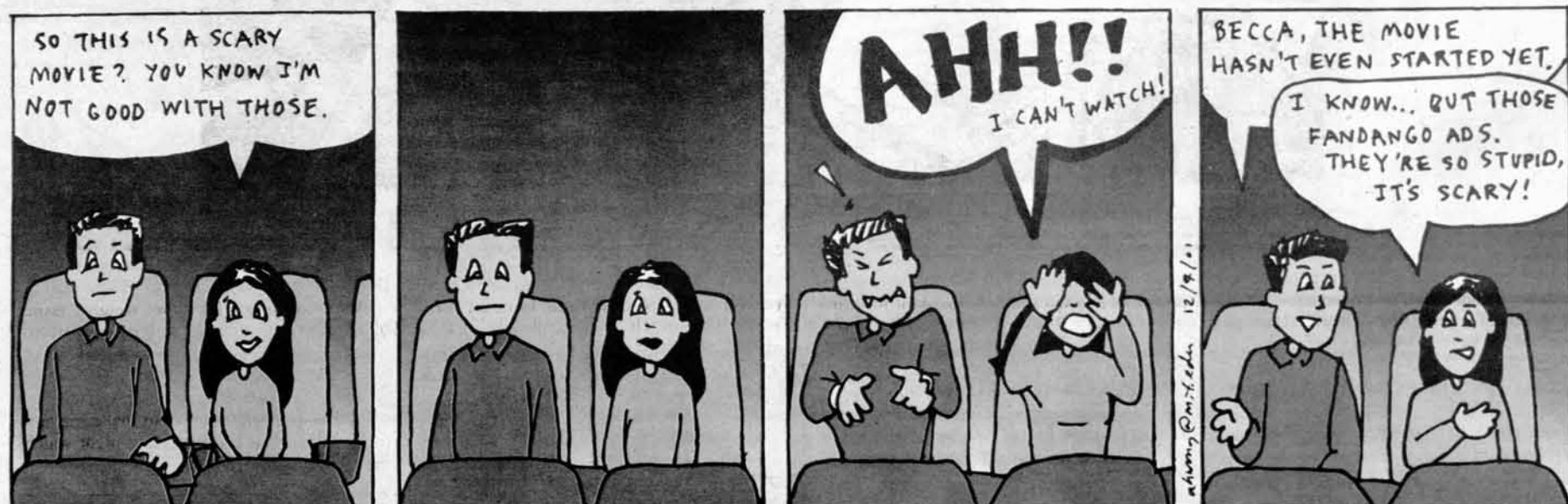
Film
Books
Video
Games
CD's
Restaurants
Theater
Visual Arts
Concerts
Dance
Television

arts@the-tech.mit.edu



INSTITUTE MADNESS!

ALISON WONG



MANGOS

LUNAR
ADVENTURE

THE LONG, LONG
(LONG, LONG) AWAITED
CONCLUSION...



ONE SCREW LOOSE IS '05



mitsolar



LORDOSIS



Duan Tanaka

d.tanaka@mit.edu

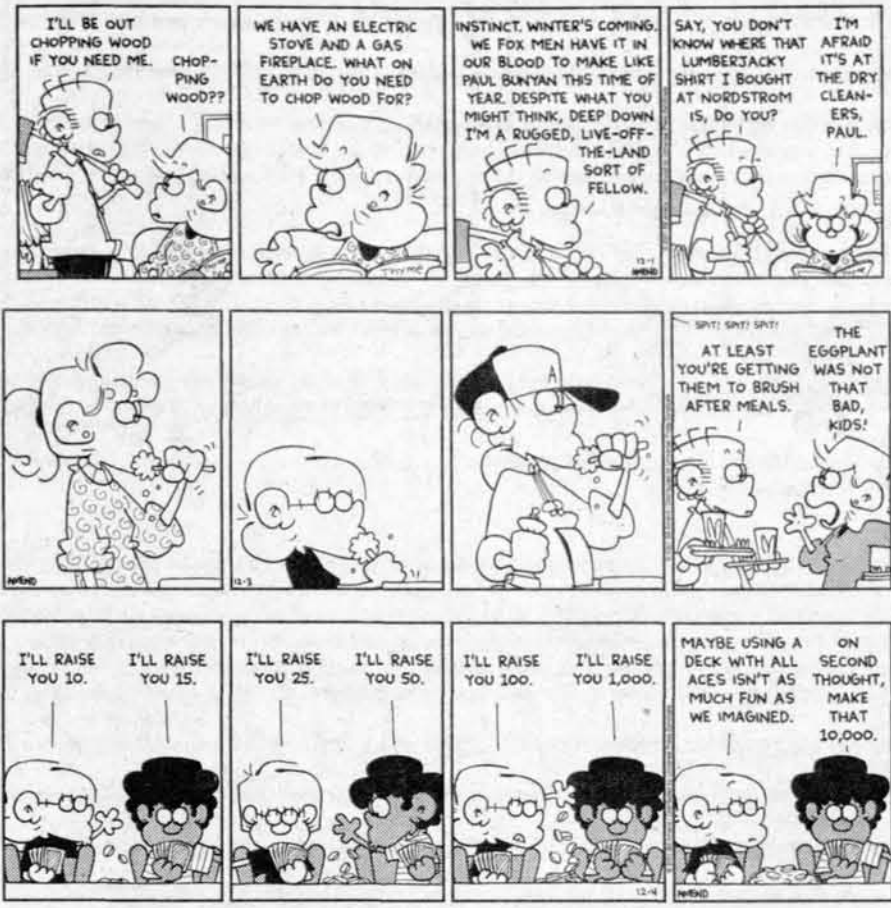


**Draw comics for
The Tech.**

**It'll be good for you.
Really.**

email join@the-tech.mit.edu

FoxTrot by Bill Amend



Dilbert® by Scott Adams



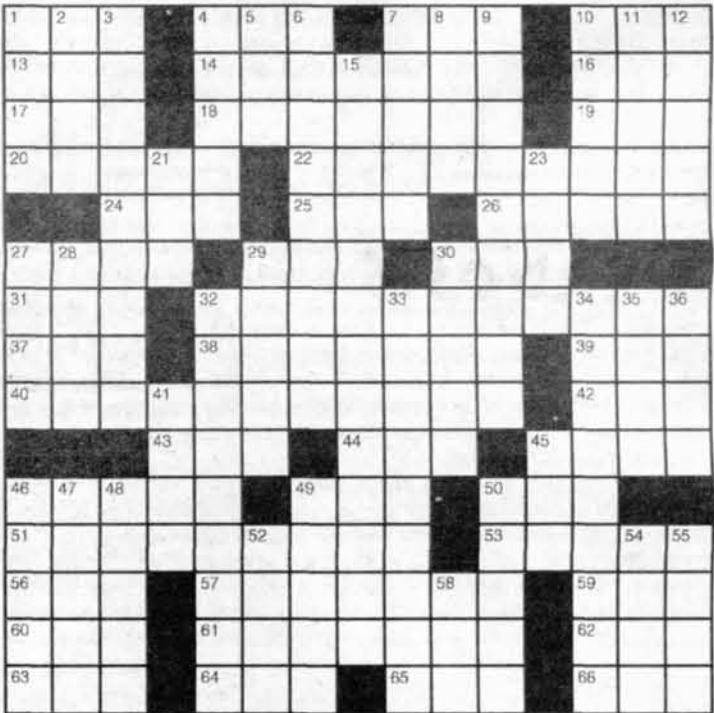
Crossword Puzzle

Solution, page 9

- ACROSS

 - 1 Fish eggs
 - 4 Extinct bird
 - 7 Clear tables
 - 10 Propel a shell
 - 13 Samovar
 - 14 Coroner's investigation
 - 16 Some
 - 17 What'd I tell ya?
 - 18 Easy chair
 - 19 Clamor
 - 20 Crooner Mel
 - 22 Worship
 - 24 Xenon or neon
 - 25 Profit figure
 - 26 Tedious details
 - 27 English of the NBA
 - 29 Kid's card game
 - 30 Right angle
 - 31 Boring routine
 - 32 Badminton necessity
 - 37 Boxing great
- DOWN

 - 1 Corrosion
 - 2 Sandwich cookie
 - 3 Full of vigor
 - 4 Odometer figures
 - 5 Yoko
 - 6 Underwater workers
 - 7 Fathered, old-style
 - 8 PC operator
 - 9 Like clutch bags and bustiers
 - 10 Diameter halves
 - 11 Leek cousin
 - 12 Ed and Early
 - 15 In secret
 - 21 Boxer Schmeling
 - 23 Baby powder
 - 27 Part of U.A.E.
 - 28 Remarkable one
 - 29 Iotas
- 38 Persian sun god
 - 39 Hotdog holder
 - 40 Alternatives to a bench
 - 42 Sellout letters
 - 43 Vegas
 - 44 Alliance
 - 45 Fricassee
 - 46 Target sighter
 - 49 Moving camera shot
 - 50 Ruin
 - 51 Singing groups
 - 53 Greenland
 - 56 Be indisposed
 - 57 Like a vacuum
 - 59 Pigeon murmur
 - 60 Demented
 - 61 Fell as ice
 - 62 A pair
 - 63 Want
 - 64 Ogle
 - 65 Paulo
 - 66 Used chairs
- 30 Fill with high spirits
 - 32 Pennsylvania cottage cheese
 - 33 Lionel products
 - 34 Blocks
 - 35 Remedy
 - 36 Have the answers
 - 41 Swiss artist
 - 45 Quentin
 - 46 Lizard of the Old World
 - 47 Homeric epic
 - 48 Card-game displays
 - 49 Liquefy
 - 50 Botch
 - 54 Hawkeye State
 - 55 Whistle blast
 - 58 Caspian or Adriatic



© 2001 Tribune Media Services, Inc. All rights reserved.

Events Calendar

Visit and add events to Events Calendar online at <http://events.mit.edu>

Tuesday, December 4

8:30 a.m. - 8:45 a.m. - **Morning Prayer.** Brief time of prayer for peace and justice. All are welcome. . free. Room: MIT Chapel. Sponsor: Protestant Student Community, Tech Catholic Community, Episcopal Ministry at LEM.

9:00 a.m. - 6:00 p.m. - **Copyright Request Deadline for course material for Spring 2002.** The MIT Copy Technology Centers deadline for submitting copyright request forms for course material is Dec. 10, 2001 for material that will be used in course readers for the Spring 2002 semester. If you need additional time to submit copyright requests please contact the copyright administrator at 258-5275. . free. Room: MIT Copy Technology Centers . Sponsor: Copy Technology Centers .

11:00 a.m. - 3:00 p.m. - **Japanese Tea Ceremony Lessons.** The Japanese Tea Ceremony Lessons take place on Tuesdays at McCormick Hall (320 Memorial Drive). Come anytime between 11 A.M. - 3 P.M. The fee is \$3 for students, \$5 for others. New students are welcome at any time during the semester. Each student will receive individual instruction based on his or her level of experience. The best way to learn the ceremony is to attend lessons on a regular basis. If you are interested, you are welcome to observe a class and to speak with Mrs. Wada about the lessons.. \$3 for students, \$5 for others. Room: McCormick Hall. Sponsor: spouses&partners@mit, MIT Women's League.

12:00 p.m. - 6:00 p.m. - **Blood Drive.** Come help save lives by donating blood or volunteering to help with our drive! See our web page for more information or to make an appointment to donate. free. Room: La Sala. Sponsor: American Red Cross Team and Network, Blood Drives.

12:00 p.m. - 2:00 p.m. - **'Pure' Chemistry and the Cold War.** Dibner Institute Lunchtime Colloquium. free. Room: E56-100. Sponsor: Dibner Institute.

12:00 p.m. - 1:00 p.m. - **MS Excel User Group.** The M.I.T. Excel Users Group meets September - June on the first Tuesday of the month from 12:00p.m. to 1:00p.m. in building n42-Demo Center. It's purpose is to provide a means of support for members of the MIT community. The topic for each months meeting will be announced in a mailing to allmembers of the list. The meeting format is as follows. The first fifteen minutes is for new issues, future topics suggestions and a Q&A followed by a thirty minute presentation to be followed with 15 minutes of Q&A on the presentation. All levels of users are encouraged to attend. . free. Room: N42 Demo Center. Sponsor: Information Systems.

12:30 p.m. - 2:00 p.m. - **Sept 11 and Aftermath: "The Dilemma of Reconstruction: Lessons from**

Events Calendar appears in each issue of The Tech and features events for members of the MIT community. The Tech makes no guarantees as to the accuracy of this information, and The Tech shall not be held liable for any losses, including, but not limited to, damages resulting from attendance of an event.

Contact information for all events is available from the Events Calendar web page.

Berlin's inner city and its 1999 master plan". Part of an ongoing seminar series on September 11 and Aftermath in the Department of Architecture. Subtitle for seminar on December 4 is "Lessons from Berlin's inner city and its 1999 master plan". free. Room: 7-431 (AVT). Sponsor: Department of Architecture.

2:30 p.m. - 3:30 p.m. - **Characterizing the Dynamical Regimes of a lake.** Refreshments will be served at 3:30 PM in Room 2-349.. free. Room: Room 2-338. Sponsor: Physical Mathematics Seminar. Department of Mathematics.

4:15 p.m. - 5:30 p.m. - **GTL Seminar.** TBA. free. Room: 31-161. Sponsor: Gas Turbine Laboratory.

4:30 p.m. - 5:30 p.m. - **"Determinant Line Bundles in Geometry, Topology, and Physics."** Organizers: M. Hopkins, R. Melrose, H. Miller and I.M. Singer. free. Room: 2-131. Sponsor: Topology and Analysis of Manifolds with Corners. Department of Mathematics.

7:00 p.m. - **Men's Basketball vs. Eastern Nazarene.** free. Room: Rockwell Cage. Sponsor: Department of Athletics.

7:00 p.m. - 9:30 p.m. - **Dramashop Auditions.** Actors, writers, dancers, musicians, visual artists and designers needed for "The Immigration Project," a unique creative project directed by Brenda Cotto-Escalera. Come ready to talk about yourself and play. Using a wide variety of performance styles and traditions, project participants will create an original theater piece about immigration in contemporary U.S. society. Talents from student artists of many disciplines will be used to tell immigration stories from different cultures. Most of the specific immigrant groups explored will be determined by the interest of the participants, but one of the main areas of exploration is the African diaspora in the Americas. Send email for appointment. free. Room: Kresge Rehearsal Rm B. Sponsor: Dramashop.

7:00 p.m. - 10:00 p.m. - **Once Upon a Mattress-Auditions.** Bring a prepared song (in English), with copy of music for accompanist. Dress for movement.. free. Room: Student Center Mezzanine Lounge. Sponsor: Musical Theatre Guild, MIT.

7:00 p.m. - 1:00 a.m. - **Ladies Night and Live Music at the Ear.** Every Tuesday is Ladies Night at The Thirsty Ear Pub, with special Tuesday-only beverage offerings. Tonight Only: Acoustic guitar with Greg Huang, starting at 9 pm. Funded in part by the Grants Program of the Council for the Arts at MIT. The Thirsty Ear Pub is located in the Ashdown House basement. Enter through the courtyard. Hours: Monday: 8 p.m. - 12 am, Tuesday - Thursday: 7 p.m. - 1 am, Friday: 4 p.m. - 1 am. Must be over 21. Proper ID required.. No cover for the ladies (or the guys). Room: The Thirsty Ear Pub. Sponsor: The Thirsty Ear Pub.

7:30 p.m. - 8:30 p.m. - **Undergraduate Practice Opportunities Program Information Session.** UPOP, is a new program for engineering sophomores, that will allow students to develop their engineering and business skills in a one-week IAP course as well as real-life summer work experience. Please see our ad in the Tech for more information. free. Room: 4-370. Sponsor: UPOP (Undergraduate Practice Opportunities Program).

Wednesday, December 5

8:00 a.m. - 4:30 p.m. - **New Directions in Imaging, Characterization and Measurement.** Faculty and researchers will share what is new in various MIT labs and disciplines in spectroscopies, microscopies, imaging techniques and associated analytical methods that could offer broader applications for industry.. free to MIT community. Room: Wong Auditorium, Tang Center. Sponsor: Office of Corporate Relations/ILP.
 8:30 a.m. - 8:45 a.m. - **Morning Prayer.** Brief time of prayer for peace and justice. All are welcome. . free. Room: MIT Chapel. Sponsor: Protestant Student Community, Tech Catholic Community, Episcopal Ministry at LEM.
 9:00 a.m. - 8:00 p.m. - **US/Germany Joint Meeting on Nanoscale Science and Engineering.** The objectives of the joint meeting will include: the exchange of technical information; promotion of exchange visits by investigators from the USA to Germany, and vice versa; promotion of joint research projects; introduction of young, creative investigators to the field of nanotechnology; enhancement of the visibility of young investigators; and promulgation of information on the capabilities of the various nanotechnology laboratories, leading to the creation of long term connections via an international network for nanotechnology.

Topics to be discussed will include nanomechanics, nanolithography, molecular electronics, nanotubes and applications thereof, self organization, catalysis, nanoparticles, nanoanalytics, polymers, and pharmaceuticals. Two day program: <http://nanoweb.mit.edu/users/cindy/itinerary.html>. \$220. Room: Kresge Little Theatre. Sponsor: The Research Laboratory of Electronics.
 9:00 a.m. - 6:00 p.m. - **Copyright Request Deadline for course material for Spring 2002.** The MIT Copy Technology Centers deadline for submitting copyright request forms for course material is Dec. 10, 2001 for material that will be used in course readers for the Spring 2002 semester. If you need additional time to submit copyright requests please contact the copyright administrator at 258-5275. . free. Room: MIT Copy Technology Centers . Sponsor: Copy Technology Centers .
 10:00 a.m. - 4:00 p.m. - **World AIDS Day Observance.** MIT's observance of World AIDS Day will include opportunities to view a panel from the AIDS Memorial Quilt, to speak with representatives from local AIDS organizations, and to participate in two fundraising efforts: a chocolate buffet and a raffle. Proceeds will benefit the Children's AIDS Program at Boston Medical Center.. Tickets for the chocolate buffet or the raffle are \$5. Room: Lobby 10. Sponsor: MIT Women's League.
 11:00 a.m. - 12:00 p.m. - **Optics .** Lithium Niobate and Semiconductor Intensity Modulators. free. Room: 26-414 (Kolker Room). Sponsor: Optics.
 12:00 p.m. - 6:00 p.m. - **Blood Drive.** Come help save lives by donating blood or volunteering to help with our drive! See our web page for more information or to make an appointment to donate. . free. Room: La Sala. Sponsor: American Red Cross Team and Network, Blood Drives.
 12:00 p.m. - 1:30 p.m. - **Productive Tensions: A Communication Perspective on Environmental Deliberation and Education.** In a fundamental sense, environmental deliberation and education are communicative processes. The discursive context in which environmental stakeholders interact shapes and reshapes their ability to work together, and constructs their notions of the issues at stake. These issues are characteristically complex, both socially and environmentally. Yet this complexity is often obscured in the public forum by a tendency to simplify environmental issues into polarized oppositions, such as fish vs. dams in the case of the Pacific salmon controversy in the northwestern region of the United States. A tensional perspective on communication - where oppositions are re-read as interdependent and mutually defining - holds potential for shifting polarized environmental debates toward engaged, transformative conversation. I will discuss basic premises of this tensional framework and some implications of my tensional analysis of public deliberation over future management of endangered Pacific salmon species.. free. Room: Room E40-496. Sponsor: Laboratory for Energy and the Environment.
 12:00 p.m. - 1:00 p.m. - **Web At MIT Quick Start.** Learn how to explore the World Wide Web using Netscape, and get an introduction to the web at MIT. . free. Room: N42 Demo Center. Sponsor: Information Systems.
 12:10 p.m. - 1:10 p.m. - **Physical Oceanography Sack Lunch Seminar.** What does it take to make the thermohaline circulation change?: "One model's answer for the Paleocene-Eocene Thermal Maximum (55 Ma)" free. Room: 54-915. Sponsor: Physical Oceanography.
 3:00 p.m. - 5:00 p.m. - **spouses&partners@mit: Winter Preparations.** Bring your questions - we'll talk about the weather, storms, parking, clothing, food, and anything else you want to know about winter in New England.. free. Room: W20-400. Sponsor: spouses&partners@mit.
 4:00 p.m. - 6:00 p.m. - **"Nationalism and Reconciliation in East Asia - Does Japan learn from experience?".** free. Room: E38- Conference Room 7th floor . Sponsor: MIT Japan Program.
 4:15 p.m. - 5:15 p.m. - **Two New Characterizations of Lattice Supersolvability.** Refreshments will be served at 3:30 PM in room 2-349.. free. Room: Room 2-338. Sponsor: Combinatorics Seminar. Department of Mathematics.
 4:30 p.m. - 6:00 p.m. - **Expedient Nationalism and Structural Reform: What Path is Koizumi Forging?.** free. Room: 2-105. Sponsor: History Office.
 4:45 p.m. - 7:30 p.m. - **Final Presentation by students in Mission 2005.** This is a final presentation by students taking MIT subject 12.000 also known as Mission 2005 - Undersea Exploration.. free. Room: 34-101. Sponsor: 12.000 Solving Complex Problems (Mission subject).
 7:00 p.m. - 9:00 p.m. - **MIT Objectivist Club general meeting.** The MIT Objectivist Club's general meetings. We discuss topics in philosophy and how they relate to different aspects of our world today. This term, we will also be having weekly study sessions, probably in epistemology, the philosophy of knowledge.. free. Room: 10-280 (Oct. 3), 4-144 (Oct. 10-Dec. 12). Sponsor: MIT Objectivist Club.
 7:00 p.m. - 9:30 p.m. - **Dramashop Auditions.** Actors, writers, dancers, musicians, visual artists and designers needed for "The Immigration Project," a unique creative project directed by Brenda Cotto-Escalera. Come ready to talk about yourself and play. Using a wide variety of performance styles and traditions, project participants will create an original theater piece about immigration in contemporary U.S. society. Talents from student artists of many disciplines will be used to tell immigration stories from different cultures. Most of the specific immigrant groups explored will be determined by the interest of the participants, but one of the main areas of exploration is the African diaspora in the Americas. Send email for appointment. free. Room: Kresge Rehearsal Rm B. Sponsor: Dramashop.
 7:00 p.m. - 10:00 p.m. - **Once Upon a Mattress Auditions.** Bring a prepared song (in English), with copy of music for accompanist. Dress for movement.. free. Room: Student Center Priv DR 1 & 2. Sponsor: Musical Theatre Guild, MIT.
 7:30 p.m. - **Men's Ice Hockey vs. Central Connecticut.** free. Room: Johnson Ice Rink. Sponsor: Department of Athletics.
 7:30 p.m. - 9:30 p.m. - **Renaissance Dancing.** There are many forms of Renaissance Dancing that we practice. From Italian balli to courtly pavans to English country. We dance them all with flair and fun. Dress is common street clothing. No experience necessary; instruction is provided. free. Room: W20 (Sala or 407 or 491). Sponsor: Society for Creative Anachronism.
 7:30 p.m. - 8:30 p.m. - **Undergraduate Practice Opportunities Program Information Session.** UPOP, is a new program for engineering sophomores, that will allow students to develop their engineering and business skills in a one-week IAP course as well as real-life summer work experience. Please see our ad in the Tech for more information. free. Room: 4-370. Sponsor: UPOP (Undergraduate Practice Opportunities Program).
 8:00 p.m. - 10:30 p.m. - **IFilm Movie Seminar.** Each IFILM Movie Seminar examines one international movie: a foreign movie or a movie made by an American independent producer. Each educational screening is preceded by an introduction and followed by a small discussion. ALL MOVIES HAVE ENGLISH SUBTITLES. Details are announced on the IFilm web page at <http://www.mit.edu/~ifilm> .. free. Room: 4-231. Sponsor: Graduate Student Council, International Film Club.
 10:00 p.m. - 1:00 a.m. - **Music at The Ear.** Cutting-edge and classic trance tracks mixed by Yannis, Rajesh, and Selim. Funded in part by the Grants Program of the Council for the Arts at MIT. The Thirsty Ear Pub is located in the Ashdown House basement. Enter through the courtyard. Hours: Monday: 8 p.m. - 12 am, Tuesday - Thursday: 7 p.m. - 1 am, Friday: 4 p.m. - 1 am. Must be over 21. Proper ID required.. Free. Room: The Thirsty Ear Pub. Sponsor: Dance Mix Coalition, The Thirsty Ear Pub.

Thursday, December 6

12:00 a.m. - **PE Lottery - IAP.** The Physical Education lottery for IAP closes on Dec. 13th at 1pm! Also the MIT Athletics card is required for all non-students.. varies. Room: Students: goto WebSIS. Non-students: goto W32-125. Sponsor: Physical Education, IAP.
 8:30 a.m. - 12:00 p.m. - **New Directions in Imaging, Characterization and Measurement.** Faculty and researchers will share what is new in various MIT labs and disciplines in spectroscopies, microscopies, imaging techniques and associated analytical methods that could offer broader applications for industry.. free to MIT community. Room: Wong Auditorium, Tang Center. Sponsor: Office of Corporate Relations/ILP.
 8:30 a.m. - 8:45 a.m. - **Morning Prayer.** Brief time of prayer for peace and justice. All are welcome. . free. Room: MIT Chapel. Sponsor: Protestant Student Community, Tech Catholic Community, Episcopal Ministry at LEM.
 9:00 a.m. - 5:00 p.m. - **US/Germany Joint Meeting on Nanoscale Science and Engineering.** The objectives of the joint meeting will include: the exchange of technical information; promotion of exchange visits by investigators from the USA to Germany, and vice versa; promotion of joint research projects; introduction of young, creative investigators to the field of nanotechnology; enhancement of the visibility of young investigators; and promulgation of information on the capabilities of the various nanotechnology laboratories, leading to the creation of long term connections via an international network for nanotechnology. \$220. Room: Please contact Cindy Lewis cindy@nano.mit.edu. Sponsor: The Research Laboratory of Electronics.
 9:00 a.m. - 6:00 p.m. - **Copyright Request Deadline for course material for Spring 2002.** The MIT Copy Technology Centers deadline for submitting copyright request forms for course material is Dec. 10, 2001 for material that will be used in course readers for the Spring 2002 semester. If you need additional time to submit copyright requests please contact the copyright administrator at 258-5275. . free. Room: MIT Copy Technology Centers . Sponsor: Copy Technology Centers .
 9:00 a.m. - 5:00 p.m. - **Holiday Craft Fair.** The Technology Community Crafters hold their annual holiday sale. Items for sale include holiday ornaments and decorations, hand-knit children's clothing, pottery, fountains, stuffed animals, jewelry, and much more.. free. Room: Lobby 10. Sponsor: MIT Women's League.
 12:00 p.m. - 6:00 p.m. - **Blood Drive.** Come help save lives by donating blood or volunteering to help with our drive! See our web page for more information or to make an appointment to donate. . free. Room: La Sala. Sponsor: American Red Cross Team and Network, Blood Drives.
 12:00 p.m. - 1:00 p.m. - **Eudora Quick Start.** This session shows how to configure Eudora, create messages and address lists, send and receive attachments, and sort incoming email. . free. Room: N42 Demo Center. Sponsor: Information Systems.
 1:00 p.m. - 2:00 p.m. - **Finals Preparation.** Final exams are approaching; learn how to best prepare for exams and final projects, minimize stress and finish strong.. free. Room: W20-491. Sponsor: Learning Strategies.
 2:00 p.m. - 3:30 p.m. - **SAP User Group.** free. Room: E25-111. Sponsor: Information Systems.
 3:30 p.m. - 5:00 p.m. - **"bin Laden's Extremist Ideology".** A talk on the religious and political ideology of Osama bin Laden. Speaker will be introduced by MIT Political Science Professor Stephen Van Evera, Associate Director of the MIT Center for International Studies.. free. Room: MIT Center for International Studies, E38, 6th Floor Conference Room. Sponsor: Center for International Studies.
 4:00 p.m. - 5:00 p.m. - **Cyclone Systems, From the Cloud Scale to Storm Tracks.** free. Room: 54-915. Sponsor: MIT Atmospheric Science Seminars.
 4:00 p.m. - 5:00 p.m. - **The Role of Biology in the Development of New Materials.** DMSE's Distinguished Lecturer Series. Refreshments will be available at 3:30.. free. Room: Room 34-101. Sponsor: Dept. of Materials Science and Engineering.
 4:15 p.m. - **M.I.T. Physics Colloquium .** The Sudbury Neutrino Observatory: Solving the Solar Neutrino Problem. free. Room: 10-250. Sponsor: Physics Department.
 4:15 p.m. - 5:30 p.m. - **Fuel Cell Technology.** Fall 2001 Sloan Automotive Laboratory/Energy Systems Seminar Series. free. Room: 31-161. Sponsor: Sloan Automotive Laboratory.
 7:00 p.m. - **Women's Basketball vs. Suffolk.** free. Room: Rockwell Cage. Sponsor: Department of Athletics.
 7:00 p.m. - **Australian Filmmaker.** free. Sponsor: Women's Studies Program, Comparative Media Studies.
 7:30 p.m. - 8:30 p.m. - **Undergraduate Practice Opportunities Program Information Session.** UPOP, is a new program for engineering sophomores, that will allow students to develop their engineering and business skills in a one-week IAP course as well as real-life summer work experience. Please see our ad in the Tech for more information. free. Room: 4-370. Sponsor: UPOP (Undergraduate Practice Opportunities Program).
 8:00 p.m. - 10:30 p.m. - **IFilm Movie Seminar.** Each IFILM Movie Seminar examines one international movie: a foreign movie or a movie made by an American independent producer. Each educational screening is preceded by an introduction and followed by a small discussion. ALL MOVIES HAVE ENGLISH SUBTITLES. Details are announced on the IFilm web page at <http://www.mit.edu/~ifilm> .. free. Room: 4-231. Sponsor: Graduate Student Council, International Film Club.
 8:00 p.m. - **MIT Symphony Orchestra Open Rehearsal.** Dante Anzolini, music director. Child's *Jubal*; Brahms' Shicksalslied with the MIT Concert Choir (William Cutter, director); Brahms' Symphony No. 3; Knussen's Horn Concerto with Jean Rife, soloist.. free. Room: Kresge Auditorium. Sponsor: Music and Theater Arts Program.

Attention School of Engineering Sophomores:

So you've got the technical skills, but do you have **all** that it takes?

Allow us to introduce you to:



Undergraduate Practice Opportunities Program

UPOP, is a new program open to all engineering sophomores^a that will allow you to develop your engineering and business skills while providing you a taste of real-life work experience.

Want to know more? Come to an info session:

Room 4-370 at 7:30pm to 8:30pm
 Tuesday, December 4th – A thru G
 Wednesday, December 5th – H thru Q
 Thursday, December 6th – R thru Z

*To be sure we have enough **pizza** for everyone we prefer you attend the info session that corresponds with your last name.*

^a Details regarding enrollment procedures for students in different departments will be given at the information sessions

The Sloan Subject Prioritization System Bidding Dates for Spring, 2002 Classes

<http://sloanbid.mit.edu>

Leave password field blank, create new password under 'Personal Information'

Institute-wide bidding for Sloan courses:

Opens 9:00 a.m., Monday, December 17

Closes 5:00 p.m., Wednesday, December 26

Waitlist-Only Round for closed classes:

Opens 9:00 a.m., Monday, December 31

Closes 5:00 p.m., Monday, February 4

Waitlists for closed Sloan classes are part of the Course Bidding System, beginning in Round II.

Successful bids appear on your Registration Form on February 4 and will be posted on the bidding website as of December 31 — write down your password to check results!

MIT Department of FACILITIES

CAMPUS CONSTRUCTION UPDATE

NStar Transmission Line project

NStar is installing a 115 kv transmission line along Memorial Drive from Pleasant Street (near Howard Johnson's) to the Longfellow Bridge. This work begins in early December and will continue through February. Lane restrictions may cause traffic delays.

Vassar St. Utilities

Construction will begin on a storm drain starting at Mass. Ave. and continuing to the Stata Center. Two lanes of traffic will remain, although parking along this route may be restricted. This work will continue through the winter.

Memorial Drive Traffic Signals

Beginning on December 7 and continuing for approximately six days, MDC-required night work will take place from 7 p.m. to 3 a.m. Installation of traffic signals at two locations intersecting Memorial Drive - Wadsworth and Endicott streets - will continue through mid-December. Parking near these areas will be restricted while construction takes place, generally Monday - Friday, 7:30 a.m. to 3:30 p.m.

Mass. Ave. storm drain

City of Cambridge work on the Mass. Ave. storm drain project continues. Drains will be installed along Albany St. from Mass. Ave. to Pacific St. Albany St. will be closed through December 28 from 7:30 a.m. until 3:30 p.m., Monday through Friday. Emergency vehicles will have access to the street.

Stata Center

Slurry wall and pool foundation cutting for tunnel connection will begin in early December. The Alumni pool may experience some vibration and noise.

For information on MIT's building program, see <http://web.mit.edu/evolving>
 This information provided by the MIT Department of Facilities.

INNOVATORS WANTED!

invention

implementation

unmet
clinical
needs

The Stanford Biomedical Technology Innovation Program invites innovative engineering graduate or postdoctoral students and medical trainees (all levels) with a passion for applying technology to solve unmet clinical needs to apply for a Biomedical Technology Innovation Fellowship.

Visit the Innovation Program website for more information and to download an application, or call (650) 736-1160. Application deadline is January 31, 2002.

<http://innovation.stanford.edu>

BIOMEDICAL

INNOVATION

interdisciplinary creativity intellectual
 engineering teamwork modeling design property
TECHNOLOGY brainstorming prototyping

Other Constitutions Contain Origin Rules

CSC, from Page 1

associate membership by active members. Similarly, the Republic of China Student Association requires active members to be of Taiwanese origin, and associate members are not eligible to run for office or vote on electing officers.

ASA President Alvar Saenz Otero G said that many student group constitutions were drafted before MIT's current non-discrimination policy existed, and the active versus associate member clause was a formerly a common constitutional provision.

Currently, the ASA does not attempt to establish its own non-discrimination rules, but rather defers to MIT.

"It has to be full adherence to the MIT non-discrimination policy," Saenz Otero said. "Anybody who is a member must have the same rights."

ASA doesn't review constitutions

However, Saenz Otero said that the ASA does not actively search through constitutions looking for violations. "Unless we get complaints about them, we don't act on them," Saenz Otero said. "At the point where there is a problem, we will deal with it."

The ASA requests a copy of each group's constitution annually, so that a current edition is on file in case of a problem. However, the ASA currently recognizes more

than 300 student groups, and Saenz Otero said that reviewing each group's constitution annually would simply be too time consuming.

CSC hopes to adapt constitution

Chang said that he hopes to find a solution with the ASA such that CSC interests are maintained without violating MIT's non-discrimination policy. "We're just seeking more of a clarification right now," Chang said. "We want to maintain the cultural aspect."

Chang said that the CSC defines "Chinese origin" as not necessarily an ethnic requirement, but as a connection to Chinese culture. "We saw origin something more like background," Chang said. He thought the CSC might be able to resolve the situation by clarifying the term "origin" in the constitution itself.

Amendment reduces restrictions

According to Chang, non-Chinese members of the CSC also voted to support the amendment, which reduced the origin requirement from all officers to only three. "They did think it was funny that it blew up to this situation," Chang said.

He said that the club wanted to change the provision "piece by piece," in order to preserve the club's focus. However, former CSC executive committee members were "alarmed" that the officer requirements had been reduced at all.

"We're trying to do something good, and it comes back and shoots us in the foot," Chang said.

Chanukah Sale!

Dreidels, candles, gelt and more!

December 3rd, 4th, 5th, and 7th

Student Center Lobby

Solution to Crossword

from page 13

ROE	MOA	BUS	ROW
URN	INQUEST	ANY	
SEE	LOUNGER	DIN	
TORME	ADORATION		
GAS	NET	PAINS	
ALEX	WAR	ELL	
RUT	SHUTTLE	COCK	
ALI	MITHRAS	BUN	
BUCKET	SEATS	SRO	
LAS	TIE	STEW	
AIMER	PAN	MAR	
GLEE	CLUBS	INUIT	
AIL	AIRLESS	COO	
MAD	SLEETED	TWO	
ADS	EYE	SAO	SAT

WANTED!

SPRING BREAKERS!!

Sun Coast Vacations wants to send you on Spring Break to Mexico, the Bahamas, or Jamaica **FOR FREE!** To find out how, call 1-888-777-4642 or e-mail sales@suncoastvacations.com.

Thank You

To Students, Faculty, Staff and Employees of M.I.T.

Bose Corporation was founded and built by M.I.T. people. Our success in research and in business is a result, in no small part, of what M.I.T. has done for us.

As one measure of our appreciation we are extending special purchase privileges to all students and employees of M.I.T. for their personal use.

Please direct all inquiries to the "M.I.T. Purchase Program."

BOSE CORPORATION
1-800-444-BOSE

Your M.I.T. identification will be required.

BOSE
Better sound through research.

Have some news?

Drop us a line...

223-1541 (x3-2541)

SUMMER 2002 RESEARCH EXPERIENCES FOR UNDERGRADUATES MIT HAYSTACK OBSERVATORY

Undergraduate science, mathematics, engineering, and computer science students are invited to apply for summer research positions at the MIT Haystack Observatory in Westford, MA. Research projects include radio astronomical studies, atmospheric physics investigations, and hardware and software development for data acquisition, processing, and recording systems. The program extends from June 3 to August 9, 2002 and carries a weekly stipend of \$400.00, plus a housing allowance. Women, minorities and students with disabilities are encouraged to apply. For further information and application materials, see <http://www.haystack.edu/reu>.

Application deadline is 1 February 2002.



**We Have
Computers.**

**You are
Probably
Course 6**

**Join the
Tech**

<join@the-tech.mit.edu>

Athena[®] Minicourse Instructors



“Getting paid to talk to
strangers since 1986”

Now Hiring

For spring term and next year, and beyond...

Do you think that your **teaching and presentation skills** are
important for a technical career?

As a minicourse instructor, **you can improve them.**

If you:

- Can explain technical topics clearly, *or want to learn how,*
- Are comfortable using Athena, and want to learn more about it,
- Need to add some teaching experience to your resume,
- Are an MIT student -- grad or undergrad...

...then we would like to talk with you.

As an Athena minicourse instructor you will:

- Present Athena minicourses during Orientation week, IAP, and each semester. Our yearly schedule is on-line at web.mit.edu/minidev
- Earn money, including a **paid training period**, and
- Improve your teaching skills.

Prior Teaching Experience is NOT Required

To request an application, or more information,
please visit <http://web.mit.edu/minidev/Recruit/>

® Athena is a registered trademark of the Massachusetts Institute of Technology.



NOT ANOTHER TEEN MOVIE

They served you Breakfast. They gave you Pie. Now we're gonna stuff your face.

COLUMBIA PICTURES PRESENTS A NEAL H. MORITZ PRODUCTION
"NOT ANOTHER TEEN MOVIE" STARRING JAMIE PRESSLY MIA KIRSHNER AND RANDY QUAID WITH THEODORE SHAPIRO
AND PHIL BEAUMAN BUDDY JOHNSON MICHAEL G. BENDER AND BRAD LOFF MICHAEL RACHMIL
MICHAEL G. BENDER & ADAM JAY EPSTEIN & ANDREW JACOBSON AND PHIL BEAUMAN & BUDDY JOHNSON
NEAL H. MORITZ JOEL GALLAN COLUMBIA PICTURES
sony.com/NotAnotherTeen

COMING SOON

**COLUMBIA
PICTURES**

©2001 COLUMBIA PICTURES INDUSTRIES, INC. ALL RIGHTS RESERVED.

and



SATELLITE
RADIO

Present a

FREE ADVANCE SCREENING

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
@ 26-100

7:00 PM Wednesday, December 5, 2001

FREE ADMISSION while passes last*

INFO?: call 258-8881 • lsc@mit.edu

* Passes available in Lobby 16 at 6 PM the day of the show.

Passes required. Seating is limited and not guaranteed. Please arrive early.

ID required. No one under the age of 17 will be admitted without parent or legal guardian.

Presented in association with LSC.

also
sponsored
by

CALGON
take me away!



Holiday at The Coop

Stop in for great
Holiday Savings!



25% off

select photo frames,
blank journals, holiday
wrap and boxed cards



20% off
all calendars

Men's flannel shirts—
just \$14.99



Many Gifts
under \$10 & under \$20:

fun Lego Writing Systems,
Lindt Truffles, Gund plush,
ornaments, book lights,
games and more



Buy one imprinted M.I.T. insignia sweatshirt, get a second of equal or lesser value 1/2 off!

Plus, get 30% off our National Campus Bestsellers everyday!

Take 10% off
General Merchandise
including already discounted
Holiday Savings items



Redeem this coupon & receive another 10% off coupon for use after the Holidays!

Valid December 6th–December 10th. Cannot be used on books, software, textbooks, special orders, or convenience items. All stores may not carry featured merchandise. Other exclusions may apply. (T)

The Harvard Coop • 1400 Massachusetts Avenue • Harvard Square • 617-499-2000

The Harvard Medical Coop • 333 Longwood Avenue • Boston • 617-499-3300

The M.I.T. Coop • 3 Cambridge Center • Kendall Square • 617-499-3200

The M.I.T. Coop • 84 Massachusetts Avenue • Stratton Center • 617-499-3240

I pledge allegiance to the flag

of the United States of America

and to the Republic for which it stands

one nation, under God

indivisible

with liberty and justice for all.



SEPTEMBER 11, 2001

This space donated by The Tech



AFRIQUE MAGIQUE

THE 2ND ANNUAL SEMI-FORMAL

LIVE MUSIC - POETRY - AFRICAN FOOD - AFTER PARTY



DATE: DEC. 8, 2001

PLACE: HULSIZER ROOM, ASHDOWN HOUSE

TIME: 7PM - 12AM

MIT | Wellesley
AFRICAN STUDENTS' ASSOCIATION

SPECIAL THANKS TO: MIT FUND - UA - RLSP

Council Alters Rules On Late Voting Items

Cambridge, from Page 1

selves. "My hope is that at least five councillors can decide on a new mayor before election day," he said. "It's best to have the council choose their own chair."

Roy Bercaw, another Cambridge resident, said he was bothered by the addition of additional regulations which may infringe upon the voting process.

"One thing that I'm concerned about is the gymnastics that compel a mayor to be elected without a lengthy vote," Bercaw said. He argued that the proposed rule does not make it clear whether the required majority vote is a majority of the entire council or only a majority of the members present.

Council limits late policy orders

The council also voted to approve an amendment that requires a single roll call vote before late policy orders may be considered.

Under the previous rules, late policy orders, voting items which are submitted after the deadline for agenda items, could be introduced and passed at the end of a City Council meeting, along with ceremonial resolutions.

Councillor Marjorie C. Decker said that policy orders sometimes pass unnoticed. "There have been later orders that have passed that most of us have not noticed," she said. She described the role call bell as a white flag of sorts, which will cue the councillors to pay extra attention.

Galluccio reminded the council that their rules are just guidelines, which can be overruled at any time. "Rules are good guides, but not to be overthought, because they can always be suspended," he said.

Both amendments were brought up as a result of discussion at a public meeting of the Government Operations, Rules and Claims Committee held on November 28.

ATTENTION STUDENT COOP MEMBERS GET ON BOARD!

REAL
BUSINESS

REAL
EXPERIENCE

REAL
DECISIONS

You're Invited to an Informal Reception
**COME MEET CURRENT
BOARD MEMBERS**

**WEDNESDAY, DEC. 5, 2001
FROM 4:00 to 6:00PM
AT THE COOP AT HARVARD SQUARE**
(Refreshments will be served)

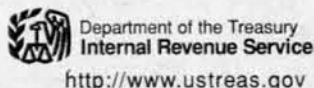
RSVP: aepowell@thecoop.com



www.thecoop.com

Tax info, toll-free.

Tax questions? Call TeleTax for recorded information
on about 150 tax topics, 24 hours a day.



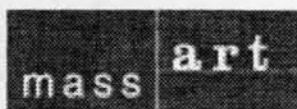
This space donated by The Tech

Spring Break – Nassau/ Paradise Island, Cancun and
Jamaica from \$459. Air, Hotel, Transfers, Parties and
More! Organize small group- earn FREE trips plus
commissions! Call 1-800-GET-SUN-1

SPRING 2002 CROSS REGISTRATION



*at Massachusetts College of Art
and the School of the Museum of Fine Arts*



DEADLINE:

FRIDAY, FEBRUARY 22, 2002

COURSE LISTINGS AVAILABLE AT:

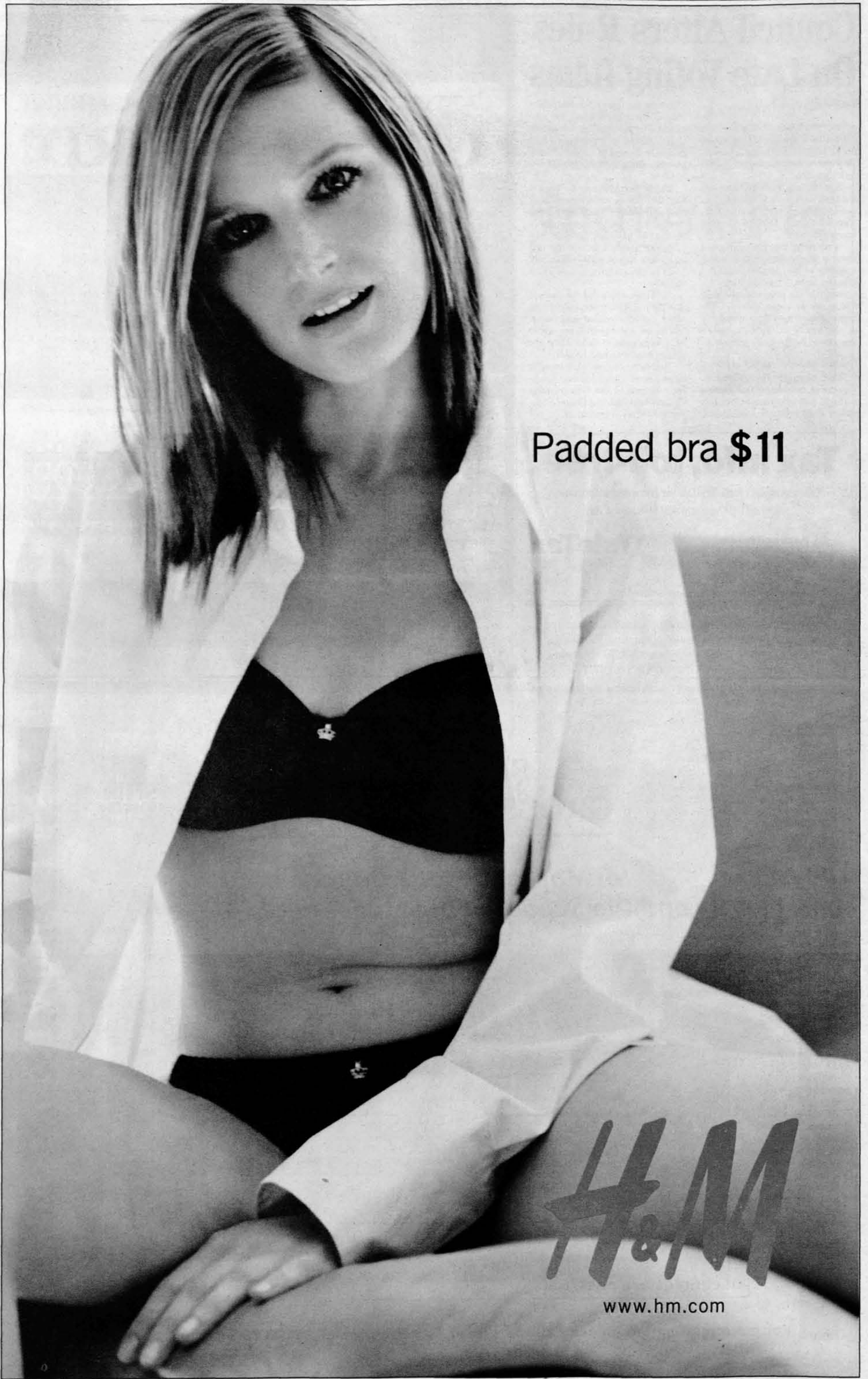
Students Services Center (11-120)
Architecture HQ (7-337)
Visual Arts Program (N51-315)

**Enroll in selected courses at either of these
nationally recognized institutions for MIT credit.
All courses are pass/fail.**

For more information please call the Visual Arts Program at 253-5229 or email slb@mit.edu.

MIT

UNDERGRADUATES



Padded bra \$11

H&M

www.hm.com